

MOS MANUAL

PRESENT			NEW MOS		
MOS CODE	PRESENT MOS TITLE	GRADE	CODE	NEW MOS TITLE	GRADE REMARKS
0202	Marine Air/Ground Task Force (MAGTF) Intelligence Officer (I) PMOS	LtCol-2ndLt	0202	Marine Air/Ground Task Force (MAGTF) Intelligence Officer (I) PMOS	LtCol-1stLt 2,7
0203	Ground Intelligence Officer (I) PMOS	Capt-2ndLt	0203	Ground Intelligence Officer (I) PMOS	Capt-2ndLt 7
0204	Human Source Intelligence Officer (I) PMOS	Capt-2ndLt	0204	Human Source Intelligence Officer (I) PMOS	Capt-2ndLt 7
0205	Tactical Intelligence Officer (III) PMOS	CWO5-WO	0205	Senior All-Source Intelligence Analysis Officer (III) PMOS	CWO5-WO 1
0206	Signal Intelligence/Ground Electronic Warfare Officer (I) PMOS	Capt-2ndLt	0206	Signal Intelligence/Ground Electronic Warfare Officer (I) PMOS	Capt-2ndLt 7
0207	Air Intelligence Officer (I)	Capt-2ndLt	0207	Air Intelligence Officer (I)	Capt-2ndLt 7
0210	Counterintelligence Officer (II/III) PMOS	LtCol-Capt&CWO5-WO	0210	Counterintelligence/Human Source Intelligence (CI/HUMINT) Officer (II/III) PMOS	LtCol-CaptCWO5-WO 2,7
0215	Technical Surveillance Countermeasures Officer (TSCM) (II/III) NMOS		0215	Technical Surveillance Trained Counterintelligence/Human Source Intelligence Officer (II/III) NMOS	2
0277	Weapons and Tactics Instructor-Intelligence Officer FMOS		0277	Weapons and Tactics Instructor-Intelligence Officer FMOS	7
0303	Light-Armored Vehicle (LAV) Officer NMOS		0303	Light-Armored Reconnaissance (LAR) Officer NMOS	2,7
0306	Infantry Weapons Officer (III) PMOS	CWO5-WO	0306	Infantry Weapons Officer (III) PMOS	CWO5-CWO2 7
0405	Aerial Delivery Officer NMOS		0405	Aerial Delivery Officer NMOS	7
0430	Embarkation Officer PMOS (II/III)	LtCol-Capt&CWO5-WO	0430	Mobility Officer (II/III) PMOS	LtCol-Capt&CWO5-WO 2,7
1120	Utilities Officer (III) PMOS	CWO5-WO	1120	Utilities Officer (III) PMOS	CWO5-WO 2

FIGURE 2-1.--Officer Conversion Table/Guidance

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PRESENT			NEW MOS		
MOS CODE	PRESENT MOS TITLE	GRADE	CODE	NEW MOS TITLE	GRADE REMARKS
2305	Explosive Ordnance Disposal Officer PMOS (II/III)		2305	Explosive Ordnance Disposal Officer PMOS (II/III)	2,7
			2715	Persian-Afghan (Dari) EMOS	1
2762	Icelandic FMOS				3
4130	Marine Corps Exchange Officer (III) PMOS	CWO5-WO	4130	Marine Corps Community Services Officer (III) PMOS	CWO5-WO 2
4306	Combat Artist (Officer) FMOS		4606	Combat Artist (Officer) FMOS	9
			4801	Recruiting Officer-Marine Corps Total Force Expert (I) FMOS	1stLt-LtCol 1
			4802	Recruiting Officer-Operational Expert (I) FMOS	1stLt-LtCol 1
			4803	Recruiting Officer-Procurement Expert (I) FMOS	1stLt-LtCol 1
			4804	Recruiting Officer-Multiple Tour Expert FMOS	Col-Capt 1
5702	Nuclear, Biological, and Chemical Defense Officer (III) PMOS	CWO5-WO	5702	Chemical Biological, Radiological, and Nuclear Defense Officer (III) PMOS	CWO5-WO 2,7
6302	Avionics Officer (II/III) PMOS	LtCol-Capt&CWO5-WO	6302	Avionics Officer (II/III) PMOS	LtCol-Capt&CWO5-WO 7
6608	AIRSpeed Officer NMOS		6608	AIRSpeed Officer NMOS	7
			7237	Senior Air Director (SAD) NMOS	1
7277	Weapons and Tactics Instructor-Air Control FMOS		7277	Weapons and Tactics Instructor-Air Control NMOS	8
7553	Pilot C-20 Qualified FMOS	I	7553	Pilot C-20/C-37 Qualified I FMOS	2
8057	Acquisition Professional FMOS		8057	Acquisition Professional FMOS	7

FIGURE 2-1.--Officer Conversion Table/Guidance

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PRESENT			NEW MOS		
MOS CODE	PRESENT MOS TITLE	GRADE	CODE	NEW MOS TITLE	GRADE REMARKS
8058	Acquisition Manager/ Acquisition Core Member FMOS		8058	Acquisition Manager/ Acquisition Core Member FMOS	7
8410	Recruiting Officer (III) PMOS	CWO5- WO	4810	Recruiting Officer (III) PMOS	CWO5- WO 9
8856	Contracting Officer FMOS		3006	Contracting Officer FMOS	7,9

New OccFld Titles: OccFld 41, Marine Corps Community Services
OccFld 57, Chemical, Biological, Radiological, and Nuclear
Defense

MOS 0205 was reestablished with a new name, summary and requirements.

Notes:

1. New MOS/Reestablished MOS.
2. Revised MOS description.
3. Deleted MOS.
4. Entry or terminal grade/category MOS revised.
5. Convert to a specified MOS.
6. To be assigned as an NMOS, EMOS, or FMOS only.
7. Requirement change.
8. Status of MOS has changed (i.e., PMOS to NMOS, etc.).
9. OccFld/MOS number changed only.
10. Officer grade structure added.

FIGURE 2-1.--Officer Conversion Table/Guidance

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ENLISTED OCCUPATIONAL SYSTEM

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CHAPTER 3

ENLISTED OCCUPATIONAL SYSTEM

3001. GENERAL

1. This chapter is divided into two sections. Section 1 contains enlisted MOS occupational systems and Section 2 contains the alphabetical listing of enlisted MOSs.

2. The data in this chapter identifies Marine Corps enlisted skills for requirements within specific functional areas. With the exception of the restrictions set forth in MCO 1300.8, Marine Corps Personnel Assignment Policy, women Marines may be assigned in all OccFlds.

CHAPTER 3

ENLISTED OCCUPATIONAL SYSTEM

SECTION 1: ENLISTED MOS DESCRIPTIONS

3101. INFORMATION. The enlisted Occflds are displayed in numerical sequence and the enlisted MOS follow in numerical sequence within the OccFlds. Each OccFld has an introduction on the range of functional duty areas; knowledge, skill, and ability; and the basic MOS descriptions for the OccFld. Each enlisted OccFld provides a line flow diagram depicting promotional progression and formal school training. The following format is utilized to describe enlisted MOSs:

1. Title. The MOS code, a narrative description, and the grade(s).
2. Body. The body of the enlisted job description is composed of the following:
 - a. Summary
 - b. Requirements/Prerequisites
 - c. Duties and Tasks
 - d. Related DOT Classification/DOT Code. The related DOT classification/DOT Code lists the comparable civilian classification title(s) and code(s) that are presented in the U.S. Department of Labor Dictionary of Occupational Titles (DOT).
 - e. Related Military Skill
 - f. Skill Designator (as appropriate)

3102. OCCUPATIONAL SYSTEM. The Marine Corps Occupational System has been constructed on the concept that similar skill and knowledge requirements are grouped in functional areas, known as OccFlds, which provide for the most efficient and effective classification, assignment, promotion, and utilization of Marine Corps personnel.

3103. MOS SYSTEM. The MOS system is composed of OccFlds and MOSs within each OccFld.

1. OccFld. The OccFld is identified by the first two digits of a four-digit number and a descriptive title. The OccFld is a grouping of related MOSs. Criteria to be considered in establishment of an OccFld include the total number of Marines in the field, the number of MOSs (diversity), combat or combat support requirements, rotation base, training requirements, promotion opportunity, and the self-renewing characteristics of the field.

2. MOS

a. An MOS code has four digits and a descriptive title. The MOS describes a group of related duties and task that extend over one or more grades. Duties and tasks are identified by grade since the Marine Corps MOS system is predicated on the fact that increased duties and tasks accompany promotion to higher grade. The first two digits designate the OccFld and the last two digits identify the promotional channel and specialty within the OccFld.

b. Criteria to be considered in establishment of an MOS include the number of Marines required in the specialty, combat or combat support relationship, rotation base, training requirements, specialty requirements/prerequisites, promotion opportunity, and career pattern.

c. The MOS is used to identify skill requirements of billets in T/Os.

3104. BASIC MOS'S. Each OccFld contains a basic MOS; e.g., MOS 0100, Basic Administrative Marine. A basic MOS represents the entry-level learner in an OccFld. It is assigned as a specific MOS in that field or upon being assigned for retraining, a Marine's primary MOS (gunnery sergeant through private grades) will be changed to the basic MOS in the OccFld while in a retraining status. Basic MOSs will be assigned as primary per MCO P1000.6E, ACTS Manual, chapter 1.

3105. OTHER CATEGORIES OF MOS'S

1. Primary MOSs and non-Primary MOSs (Non-PMOS) are found in Regular OccFlds and Miscellaneous Requirements MOSs. Non-PMOSs are of three types: Necessary, Free, and Exception. Definitions of the types of MOS can be found in the glossary of the Introduction to the Manual.

2. Reporting MOSs and Billet Designators. Definitions of these MOSs can be found in the glossary of the Introduction to the Manual.

NOTE: The following symbols are used throughout the MOS Manual:

* - indicates Billet Designator MOSs.

- indicates a note at the end of the MOS.

3106. OCCUPATIONAL FIELD 01, PERSONNEL ADMINISTRATION AND RETENTION

1. Introduction. The personnel administration and retention OccFld includes the operation and management of administrative and clerical functions in the areas of general administration, personnel administration, and postal service. Qualifications required include basic clerical skills, typing, and communication abilities. The duties involve administrative, managerial, and technical skills. Personnel administration and retention Marines are required to learn clerical and administrative procedures, office management, personal computer skills (personnel and pay database retrieval and word-processing), preparation and use of military publications and correspondence, preparation of orders and directives, and the use of filing systems and record keeping. Formal schooling is provided to Marines entering this OccFld. Types of entry-level jobs available include work as a personnel clerk, administrative clerk, and postal clerk. There are a wide variety of billets available in this OccFld assignments ranging from duty at the staff level in the division, wing, and force service support group to the opportunity to serve on independent duty in support of the Selected Marine Corps Reserve. Marines entering this OccFld will receive MOS 0100, Basic Administrative Marine, and will participate in routine personnel and administrative functions while training for a designated MOS within the OccFld. The individual training standards are used by formal schools and unit commanders to determine proficiency, evaluate individual training, and maintain quality control.

2. MOS 0121, Personnel Clerk (Sgt to Pvt) PMOS #

a. Summary. Personnel clerks perform personnel and general administrative duties utilizing manual and automated information systems to prepare documents, maintain personnel records and input audit and retrieve pay and personnel information. As such, personnel clerks must have knowledge of the Marine Corps Total Force System (MCTFS), which encompasses the On-line Diary System (OLDS), the Unit Diary/Marine Integrated Personnel System (UD/MIPS). Typical duties of personnel clerks include: auditing and making entries in individual service records; auditing service records for required entries and documentation; completion of various personnel and pay related forms and documents; researching proper unit diary entry requirements; reporting transactions into MCTFS via the unit diary; auditing and correcting feedback reports from systems; preparation of individual bond and allotment requests; and performing other duties pertaining to pay and personnel administration as required. Other duties and tasks performed may overlap those performed by administrative clerks, including preparation of naval correspondence and maintenance of correspondence files and directives.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) MOS 0121 is assigned upon completing the Personnel Clerk Course, conducted at Camp Lejeune, NC, or upon demonstrating satisfactory performance during MOJT.
- (3) Type a minimum speed of 25 words per minute prior to completion of the Personnel Clerk Course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Personnel Clerk 209.362-026.
- (2) Clerk, General 209.562-010.

e. Related Military Skill. Administrative Clerk, 0151.

3. MOS 0143, Career Retention Specialist (MGySgt to Sgt) PMOS

a. Summary. The career retention specialist must be thoroughly familiar with the reenlistment process from prospecting to reenlistment ceremonies. They work within Marine Corps units, however, primarily operate independently. Typical functions of a career retention specialist include preliminary screening and administrative processing, scheduling, and conducting interviews, completion of reenlistment/lateral move/extension documents, and maintaining accurate records. They also provide Marine Corps units with basic individual career counseling, unit transition counseling, and fundamental Manpower PME and briefings. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Must meet the prerequisites prescribed in MCO P1040.31.
- (3) Complete Career Retention Specialist Course.

c. Duties

- (1) Coordinates with the Commander and Sergeant Major a plan to meet retention goals.
- (2) Maintains reports required for systematic retention.
- (3) Canvasses unit population to achieve maximum contact.
- (4) Counsels Marines concerning career progression, retention, special duty assignments and incentives.
- (5) Prepares and maintains career planning requests and records.
- (6) Screens each Marine to determine eligibility relative to reenlistment, lateral moves, and special duty assignments IAW established orders and directives.
- (7) Coordinates required tests, interviews, and physicals for lateral move candidates.
- (8) Prepares all other required retention documents.
- (9) Coordinates all reenlistment ceremonies.
- (10) Coordinates with the Commander and Sergeant Major to conduct various Manpower briefs, to include: retention, lateral moves, First Term Alignment Plan (FTAP) assignments, special duty assignments (SDAs), promotions, separations and retirements, BCNR requests and process, and PERB actions.

(11) May conduct Unit Transition Counselor (UTC) responsibilities to include reserve contracts, PSEP/continuous reenlistments, and SBP.

(12) Conducts basic career counseling. Necessary skills include current MBS and fitness report interpretations.

(13) Advises Marines on Marine Corps education opportunities.

d. Related DOT Classification/DOT Code

(1) Career Guidance Technician 249.367-014.

(2) Recruiter 166.267-026.

e. Related Military Skill

(1) Administrative Clerk, 0151.

(2) Recruiter, 8411.

4. MOS 0147, Equal Opportunity Advisor (EOA) (MGySgt to SSgt) FMOS

a. Summary. Equal opportunity advisors (EOA) to the commanding general/commander are assigned to major Marine Corps installations. EOA's primary mission is to provide instruction, assistance, and advice on all equal opportunity (EO) matters to installation and tenant commanders. Primary responsibility and duty is the command EO Advisor. EO Advisors must exercise leadership and sound judgment in the performance of their duties. EO Advisors maintain administrative control of the Discrimination and Sexual Harassment (DASH) reporting system. Act as points of contact to the installation/tenant commanders on all EO matters and maintain liaison with HQMC (MPE). Duties include, assisting commands with investigations into allegations of discrimination, to include sexual harassment, as directed by cognizant authority; advise commanders and military personnel on complaint resolution procedures both formal and informal; conduct inspections of command equal opportunity program, as directed by cognizant authority; assist in unit EO climate assessment; assist the command's EO representatives with unit EO training, cultural events or celebrations on those days set aside for recognition of contributions of various groups; and provide input into EO policies and programs for both installation and tenant commands. EO advisors will assist commanders, at all level with monitoring organization EO climate, identifying trends and areas of concern, and suggesting methods for improving command EO climate. Monitor the effectiveness of command EO training; conduct quarterly training for unit EO representatives in their areas of responsibility. Manage the command's Training Information Resource (TIR) library. Emphasize the use of the Informal Resolution System (IRS) to resolve conflicts at the lowest level.

b. Requirements/Prerequisites

(1) Must meet the prerequisites prescribed in MCO 5354.3.

(2) Demonstrate effective communication skills.

(3) Demonstrate a working knowledge of the Marine Corps standard computer Data Base and Software.

(4) Complete the DoD formal course for Equal Opportunity Advisors.

c. Duties. For a complete listing of duties and tasks, refer to MCO 5354.3, Equal Opportunity Advisor.

d. Related DOT Classification/DOT Code. Counselor 045.107-010.

e. Related Military Skill. None.

5. MOS 0149, Substance Abuse Control Specialist (MGySgt to SSgt) FMOS

a. Summary. Substance abuse control specialists provide substance abuse education/prevention, urinalysis screening and assistance to the commander on substance abuse related matters. They also provide the Marine Corps units with basic individual Manpower PME and briefings.

b. Requirements/Prerequisites

(1) Six months experience in a full-time or additional duty substance abuse prevention billet.

(2) Completion of the Unit Substance Abuse Program Management Course.

(3) This MOS will be assigned only as as FMOS. Authority to issue this FMOS will remain with the local command delegated to the unit level.

c. Duties. The duties and tasks will be as prescribed and designated in the current edition of MCO P1700.24_.

d. Related DOT Classification/DOT Code. Alcohol and Drug Abuse Assistance Program Administrator 195.167-042.

e. Related Military Skill. None.

6. MOS 0151, Administrative Clerk (Sgt to Pvt) PMOS

a. Summary. Administrative clerks perform clerical and administrative duties incident to general and operational administration utilizing manual and automated information systems. Administrative clerks must possess knowledge of the Marine Corps Total Force System (MCTFS), and Marine Corps standard word processing and database software packages. Typical duties consist of the preparation of naval correspondence and messages; preparation and maintenance of directives; preparation of travel orders, completion of general administrative requirements such as leave authorizations, identification cards, and preparation and maintenance of command unit punishment books. Other duties performed may overlap those performed by personnel clerks. These include auditing field service records, verifying information contained in unit diary feedback reports/personnel management reports, preparation of discharge and retirement documents, and verifying the accuracy of information contained in the MCTFS databases. Administrative clerks may also be assigned to support the administration of military justice to staff level billets, and to perform duties within a Classified Material Control Center (CMCC), or in the unit's mailroom. MOS 0151 is assigned upon completion of the Administrative Clerk Course or upon demonstrating satisfactory performance during MOJT.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Administrative Clerk Course conducted at Camp Lejeune, NC; or demonstrates MOS qualification through job performance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Administrative Clerk 219.362-010.

(2) Clerk, General 209.562-010.

(3) Office Clerk 209.567-022.

e. Related DOT Classification/DOT Code. Personnel Clerk, 0121.

7. MOS 0161, Postal Clerk (MGySgt to Pvt) PMOS

a. Summary. Postal clerks perform all duties necessary to the efficient operation of a Marine Corps Post Office. Mail handling duties can include, but are not limited to accepting, sorting, manifesting and dispatching all types of mail, to include official mail. Postal clerks also issue and cash USPS money orders, sell stamps, apply postage to, and mail out parcels. They perform any other duties in connection with the proper running of a postal operation. Only postal Marines receiving formal training as listed in the prerequisites and assigned to a military postal facility, may be given this MOS. Postal clerks will not be assigned to unit mailrooms to conduct mail clerk/orderly functions.

b. Requirements/Prerequisites

(1) Must possess a CL score of 100 or higher.

(2) Must possess a secret clearance.

(3) Must be a U.S. citizen.

(4) Complete the Postal Operations Course, Ft. Jackson, SC, or complete six months OJT to standard for grade per the Individual Training Standards.

(5) Must have no record of derogatory information or unfavorable conduct that casts doubt on the Marine's trustworthiness and honesty.

(6) No history of psychiatric disorder, alcoholism, or drug abuse unless a medical evaluation determines the conditions no longer exist.

(7) No convictions by court martial, UCMJ punishment for postal related offenses within the last 3 years or civilian convictions other than minor traffic violations.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Post Office Clerk 243.367-014.

(2) Supervisor, Mails 243.137-010.

8. MOS 0171, Manpower Information Systems (MIS) Analyst (MGySgt to Cpl) NMOS (0121, 0193)

a. Summary. Manpower information system analysts serve as the functional managers of specific, fielded Manpower Information Systems in a regional jurisdiction. These Marines serve as critical management supervisors for the Marines Corps Total Force System (MCTFS) which impacts all active, reserve and retired personnel. MIS analysts provide procedural assistance in the preparation, submission, retrieval and audit of records and reports within the MCTFS, the Diary/Marine Integrated Personnel System (UD/MIPS), the On-line Diary System (OLDS), SABRS Manpower Analytical Retrieval Tool System (SMARTS), and other automated manpower information systems. Typical duties of MIS analyst include research, procedural or system problem solving for reporting units, monitoring completion of class I systems cyclic updates, Marine Online (MOL) Issues, and conducting educational/training contact visits to both active and reserve reporting units within the regional jurisdiction. Duties of this magnitude require that they typically support over 100 reporting units and anywhere from 20,000 to 70,000 Marines within their respective geographical region. MOS 0171 can only be assigned upon completion of 12 months OJT in a Manpower Information System Support Office (MISSO) with approval of the Officer in Charge of the MISSO and CMC (MIO). MOS 0171 should be considered more extensive than MOSs 0121/0193 requirements due to the broad spectrum of functional areas covered. This MOS will be assigned NMOS only.

b. Requirements/Prerequisites

(1) Input for this MOS will normally be restricted to Marines possessing MOS 0121, or MOS 0193.

(2) Complete the Advanced Personnel Administration Course conducted at Camp Lejeune, NC, and demonstrate MOS qualifications through the respective MISSO.

(3) Demonstrate qualification through performance during a 12-month tour in a MISSO. Assignments are made to qualified Marines who:

(a) Demonstrate advanced proficiency of a windows working environment.

(b) Demonstrate advanced proficiency of the Marine Corps standard word processing and database software.

(c) Demonstrate advanced knowledge of Local Area Network (LAN), Wide Area Network (WAN), and Deployed Local Area Network (DLAN).

(d) Demonstrate advanced knowledge and capabilities of Marine Corps Total Force System (MCTFS).

(e) Demonstrate advanced knowledge and capabilities of Unit Diary/Manpower Integrated Personnel System (UD/MIPS).

(f) Demonstrate advanced knowledge of Terminal Area Security Officer (TASO) responsibilities/duties.

(g) Demonstrate advanced knowledge of the Automated Pay System.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill

- (1) Personnel Clerk, 0121.
- (2) Personnel Administrative Chief, 0193.

9. MOS 0193, Personnel/Administrative Chief (MGySgt to SSgt) PMOS

a. Summary. Personnel/Administrative chiefs perform supervisory duties as midlevel office managers in a variety of administrative assignments. Personnel/administrative chiefs must possess a thorough knowledge of the capabilities and requirements of Marine Corps standard word processing and database software packages, and the Marine Corps Total Force System (MCTFS), which encompasses the On-line Diary System (OLDS), and the Unit Diary/Marine Integrated Personnel System (UD/MIPS). Normally, personnel/administrative chiefs are assigned at the reporting unit level, to include consolidated administration centers, adjutants office, staff level billets, i.e., HQMC staff section, G-1/S-1, etc., or independent duty in an administrative billet. Personnel/Administrative chiefs must have an overall knowledge of personnel (general and operational) administration procedures in order to establish, direct, and supervise the administrative functions of the office to which assigned. The personnel/administrative chief must maintain technical proficiency in the duties performed by Marines in MOSs 0121, and 0151. When assigned to staff billets, personnel/administrative chiefs supervise the flow of paperwork to ensure proper staffing of all inbound and outbound correspondence, drafting/publishing, and supervising the maintenance and distribution of directives and correspondence.

b. Requirements/Prerequisites

(1) All Marines are expected to qualify for this MOS by completing the Advanced Personnel Administration Course conducted at MCB Camp Lejeune, NC. When a Marine is unable to attend this course prior to promotion to staff sergeant, MOS 0193 may be assigned at the commander's discretion if the Marine has demonstrated proficiency in the duties and tasks identified in MCO 1510.53. Upon promotion to staff sergeant, assignment of MOS 0193 does not exempt the Marine from attendance and completion of the Advanced Personnel Administration Course. This MOS will not be assigned to Marines below the rank of staff sergeant.

- (2) Must have previously served in MOS 0121 or 0151.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.53, Individual Training Standards.

d. Related DOT Classification/DOT Code. Supervisor, Personnel Clerks 209.132-010.

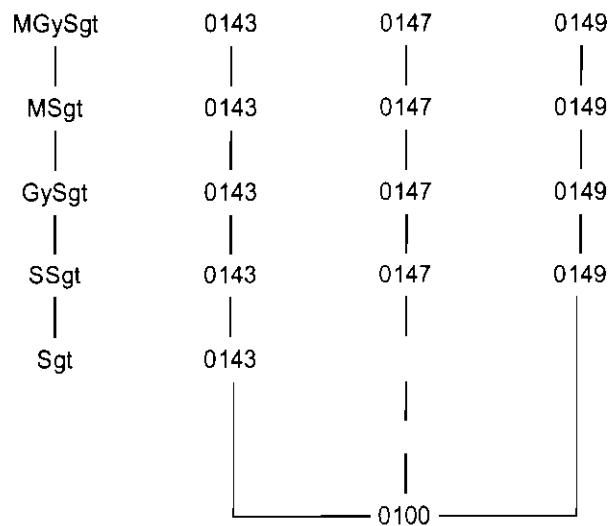
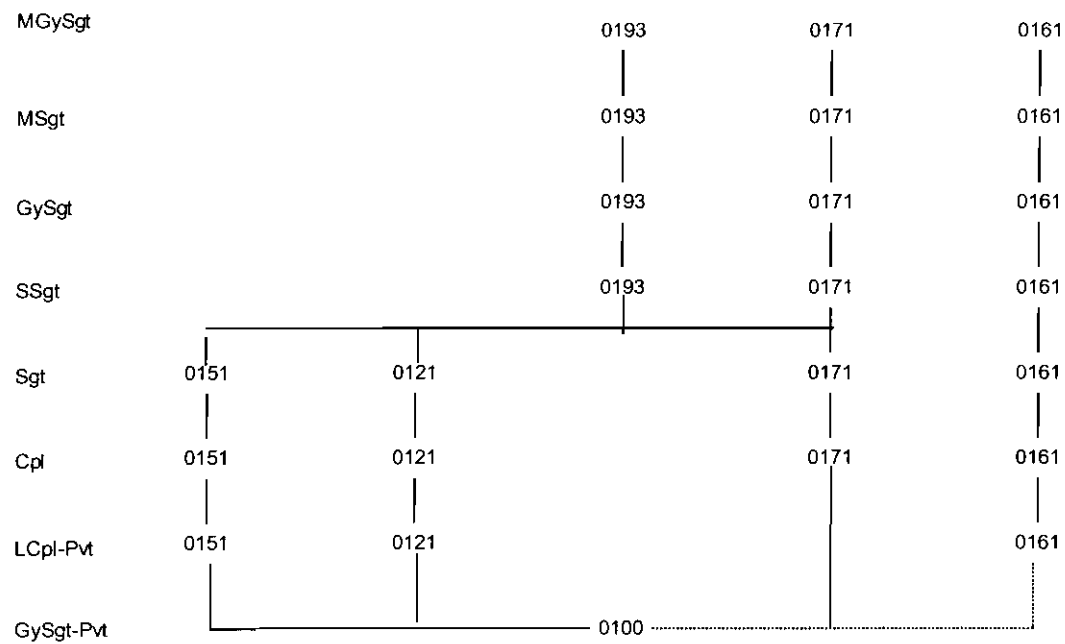


FIGURE 3-1.—Personnel Administration and Retention Career Structure Chart
3-12

<u>MOS</u>	<u>TITLE</u>
0100	Basic Administrative Marine (Basic MOS)
0121	Personnel Clerk (PMOS)
0143	Career Retention Specialist (PMOS)
0147	Equal Opportunity Advisor (EOA) (FMOS)
0149	Substance Abuse Control Specialist (FMOS)
0151	Administrative Clerk (PMOS)
0161	Postal Clerk (PMOS)
0171	Manpower Information Systems Analyst (NMOS)
0193	Personnel/Administrative Chief, (PMOS)

FIGURE 3-1.—Personnel Administration and Retention Career Structure Chart

MOS 0121, Personnel Clerk, PMOS

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt	Principles of Instruction for the Marine NCO MCI 001	Immediate Personnel Administration Course (IPAC) Reserve Administration Course Counseling for Marines MCI 0112 Basic Pay and Allowances MCI 3422	FMF Duty: MEU/MEF/Div MAW/FSSG/ MARFOR HQ/MCSF Non-FMF Duty: MCSA/DFAS/HQMC/ MCRD/MCD/BASE/ Station/Joint Staff/ Independent Duty (A-Billet)
Cpl	Fundamentals of Marine Corps Leadership MCI 0033/34 or MCI 0035	Intermediate Personnel Administration Course (IPAC) Counseling for Marines MCI 0112 Order Writing Clerk MCI 0138 Legal Administration Clerk MCI 0143 The Unit Mail Clerk MCI 0144 Reserve Administration Course Math for Marines MCI 1334 Basic Pay and Entitlements MCI 3422	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF Non-FMF Duty: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty/ (A-Billet)

FIGURE 3-1.—Personnel Administration and Retention Career Structure Chart

Pvt/LCpl	Personnel Clerk Course	Spelling MCI 0118	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/MARFOR HQ/MCSF
		Punctuation MCI 0119	
		Correspondence Procedures MCI 0131	
		Order Writing Clerk MCI 0138	Non-FMF Duty: MCSA/DFAS/HQMC MCRD/MCD/Base/ Station/ Independent Duty/(A-Billet)
		Reserve Administration Course	
		Math for Marines MCI 1334	
		Personal Financial Management MCI 3420	

MOS 0151, Administrative Clerk, PMOS

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt	Principles of Instruction for the Marine NCO MCI 001	Intermediate Personnel Administration Course (IPAC)	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF Non-FMF Duty: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty/ (A-Billet)
		Counseling for Marines MCI 0112	
		Reserve Administration Course	
Cpl	Fundamentals of Marine Corps Leadership MCI 0033 MCI 0034 or 0035	Intermediate Personnel Administration Course (IPAC)	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF Non-FMF Duty: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/ Independent Duty (A-Billet)
		Counseling for Marines MCI 0112	
		Legal Administration Clerk MCI 0143	
		The Unit Mail Clerk MCI 0144	
		Reserve Administration Course	
		Math for Marines MCI 1334	

FIGURE 3-1.—Personnel Administration and Retention Career Structure Chart

Pvt/LCpl	Administrative Clerk Course	Spelling MCI 0118	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF Non-FMF Duty: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/ Independent Duty (A-Billet)
		Punctuation MCI 0119	
		Correspondence Procedures MCI 0131	
		Order Writing Clerk MCI 0138	
		Legal Administration Clerk MCI 0143	
		The Unit Mail Clerk MCI 0144	
		Math for Marines MCI 1334	
		Reserve Administration Course	
		Personal Finance Management MCI 3420	

MOS 0161, Postal Clerk, PMOS

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ Non-FMF Duty: HQMC/Base/Station
MSgt			FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ Non-FMF Duty: None
GySgt	Postal Supervisor Course		FMF Duty: MEU/MEF/Div HQ MAW/FSSG/ MARFOR HQ/ Non-FMF Duty: HQMC/Base/Station
	SNCO Advanced Course		

FIGURE 3-1.—Personnel Administration and Retention Career Structure Chart

SSgt	Postal Supervisor Course		FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ Non-FMF Duty: HQMC/Base/Station
Sgt		Counseling for Marines MCI 0112	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ Non-FMF Duty: HQMC/Base/Station
Cpl	Postal Operations Course	Personal Financial Management MCI 3420	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ Non-FMF Duty: HQMC/Base/Station
Pvt/LCpl	Postal Operations Course	Math for Marines MCI 1334 The Unit Mail Clerk MCI 0144	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/ Non-FMF Duty: HQMC/Base/Station

MOS 0171, Manpower Information Systems Analyst, NMOS (0121, 0193)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt-Cpl	Advanced Personnel Administration Course		

FIGURE 3-1.—Personnel Administration and Retention Career Structure Chart

MOS 0193, Personnel/Administrative Chief, PMOS

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF Non-FMF Duty: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty (A-Billet)
MSgt	MAGTF/Marine Corps Planning Process MCI 8845	Reserve Administration Course	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF Non-FMF Duty: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty (A-Billet)
GySgt	SNCO Advanced Resident Course Staff NCO Advanced Distance Education Program MCI 7200 MAGTF/Marine Corps Planning Process (MCP) MCI 8845 Warfighting Skills Distance Education Program MCI 7400	Advanced Personnel Administration Course Reserve Administration Course Intermediate Personnel Administration Course (IPAC)	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF Non-FMF Duty: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty/ (A-Billet)
SSgt	SNCO Career Resident Course SNCO Career Distance Education Program MCI 7100	Advanced Personnel Administration Course Reserve Administration Course Intermediate Personnel Administration Course (IPAC)	FMF Duty: MEU/MEF/Div HQ/ MAW/FSSG/ MARFOR HQ/MCSF Non-FMF Duty: MCSA/DFAS/HQMC/ MCRD/MCD/Base/ Station/Joint Staff/ Independent Duty (A-Billet)

FIGURE 3-1.—Personnel Administration and Retention Career Structure Chart

3107. OCCUPATIONAL FIELD 02, INTELLIGENCE

1. Introduction. The Intelligence OccFld conducts the collection, processing, and dissemination of intelligence. The specialties within the Intelligence OccFld are analysis, counterintelligence, imagery interpretation, and geographic intelligence. Basic qualification requirements include clerical, communication, and computer skills. Intelligence specialists are required to learn and master a variety of analytical and technical skills. Formal schooling is mandatory for assignment of an intelligence MOS. Entry-level Marines enter the field in MOS 0231, (Intelligence Specialist) or MOS 0261 (Geographic Intelligence Specialist). Entry into MOS 0211 (Counterintelligence/HUMINT Specialist) or 0241 (Imagery Interpreter) is accomplished by lateral move. Duty assignments vary widely from all levels of the Operating Forces to Joint Staffs, to Unified/Commands. Intelligence Marines also have the opportunity to serve in billets such as drill instructor, recruiter, and Marine Security Guard duty. Marines entering the OccFld will receive MOS 0200, Basic Intelligence Marine, while participating in on-the-job training (if required) and/or attending formal school. All Marines assigned an intelligence MOS must submit a Single Scope Background Investigation (SSBI) prior to attending formal school. Intelligence MOS Marines must have an adjudicated SSBI to qualify for assignment of one of the primary intelligence MOSs. Intelligence MOSs are assigned and voided only by the Commandant of the Marine Corps (MM) in coordination with the Occupational Field 02 Specialist's recommendations.

2. MOS 0211, Counterintelligence/HUMINT Specialist (MSgt to Cpl) PMOS

a. Summary. Counterintelligence (CI)/HUMINT specialist are created by lateral move from any MOS. They are involved in all facets of planning and conducting CI and human intelligence operations and activities. CI activities are concerned with identifying and counteracting the threat of friendly forces posed by hostile intelligence organizations, or by persons engaged in espionage, sabotage, subversion or terrorism. HUMINT activities are designed to obtain intelligence information using human beings as both sources and collectors, where the human being is the primary collection instrument. CI/HUMINT specialists are expected to possess a working knowledge of the organization, operations, and techniques employed by foreign intelligence services and terrorist organizations. They conduct human intelligence operations to collect information of intelligence value for the commander. They collect information/intelligence by means of interrogation, debriefing, and screening. A specific percentage of 0211s will undergo language training. Qualified CI/HUMINT specialist use foreign language skills or interpreters to conduct CI/HUMINT activities and exploit foreign language documents and recordings. In addition to knowing a foreign country's language, they are familiar with the area, the customs and traditions of its people, and the infrastructure of a foreign force. In support of these functions, CI/HUMINT specialists utilize automated databases, interview/interrogation techniques, liaison, specialized CI techniques, technical support measures, intelligence/investigative photography, reporting-writing techniques and other capabilities as required to accomplish the mission. This MOS will be assigned and voided only by the authority of the CMC (MM). This is applicable to the Reserves.

b. Requirements/Prerequisites

(1) Must be a male corporal or sergeant of any MOS. Staff sergeants may apply for a lateral move; however, must have less than one-year time in grade and a waiver from (MM) and DIRINT.

(2) Must be interviewed and recommended for a lateral move by screening board of CI/HUMINT personnel.

(3) Must possess a GT score of 110 or higher.

(4) Must take the Defense Language Aptitude Battery (DLAB) test and be willing to undergo language training. Marines who can meet the minimum standard Defense Language Proficiency Test (DLPT) score (2/2 or better) for a language may be excluded from the DLAB requirement. A foreign language capability is not required for active duty 0211 MOS. Reserve Marines with a foreign language capability verified by DLPT scores, desiring a lateral move into the 0211 MOS should have completed language training prior to affecting the lateral move.

(5) Prior to entry into DLI, Marine must have sufficient obligated service to allow 24 months remaining upon graduation.

(6) Must be a volunteer.

(7) Must be a U.S. citizen.

(8) Must be eligible for a top-secret security clearance and access to Sensitive Compartmented Information predicated upon a Single Scope Background Investigation (SSBI). Application for the SSBI must be submitted prior to attendance of the MAGTF Counterintelligence/HUMINT Course at NMITC, Dam Neck, VA.

(9) Must be 21 years of age prior to lateral move into the CI/HUMINT MOS.

(10) Marine must complete the Nelson-Denney examination or Test of Adult Basic Education (TABE) examination at a base education center or similarly accredited education establishment and achieve a minimum score of 10.

(11) Marines must complete the MAGTF CI/HUMINT Course, Navy Marine Corps Intelligence Training Center (NMITC), Dam Neck, VA.

(12) Prior to entry into the MAGTF CI/HUMINT Course, must have sufficient obligated service to allow 36 months remaining upon graduation.

(13) Prior to entry into DLI, must have sufficient obligated service to allow 24 months remaining upon graduation.

(14) Must have taken an accredited typing test and attained a minimum score of 30 words per minute.

(15) Must submit to a Counterintelligence Scope Polygraph Examination.

(16) Must possess a valid U.S. driver's license.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Interpreter 137.267-010.

(2) Translator 137.267-018.

(3) Intelligence Specialist 059.267-014.

(4) Counterintelligence Agent 378.267-010.

e. Related Military Skill. Intelligence Specialist, 0231.

3. MOS 0212, Technical Surveillance Countermeasures (TSCM) Specialist (MSgt to Sgt) NMOS (0211, 2621, 2631, 2651)

a. Summary. Technical surveillance countermeasures trained and certified counterintelligence specialists are involved in all facets of planning and conducting tactical, strategic, and joint TSCM operations and activities. These activities are designed to locate, identify, and neutralize the threat of technical surveillance penetration of sensitive areas. These specialists are expected to possess a working knowledge of the techniques and equipment employed by foreign intelligence services and terrorist organizations for the technical penetration of spaces. These specialists normally perform as members of a CI TSCM sub-team or detachment; however, they may also perform duties in support of Naval Criminal Investigative Service; as a TSCM instructor at Ft Meade, MD; or as a TSCM representative to national level CI/investigative agencies. This MOS is to be assigned only as a NMOS and will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

- (1) Must hold primary MOS 0211, 2621, 2631, or 2651.
- (2) Must be a sergeant or above.
- (3) Complete the Technical Surveillance Countermeasures Fundamentals Course and the Technical Surveillance Countermeasures Course (3C-SQIW/244-ASIG9).
- (4) Prior to entry into the TSCM Course, must have sufficient obligated service to allow 36 months remaining upon graduation.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. Counterintelligence Specialist, 0211.

4. MOS 0231, Intelligence Specialist (MSgt to Pvt) PMOS

a. Summary. Intelligence specialists are familiar with all phases and facets of intelligence operations. Typical duties of intelligence specialists involve the collection, recording, analysis, processing, and dissemination of information/intelligence. The intelligence specialist, depending on his/her rank, may supervise intelligence sections of commands up to and including MEF. Intelligence specialist who have a DLAB of 100 may be eligible to attend language training at the Defense language Institute at Monterey, CA. This MOS will be assigned and voided only by the CMC (MM).

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Complete the MAGTF Intelligence Specialist Entry Course, Navy Marine Corps Intelligence Training Center (NMITC), Dam Neck, VA.

(3) Selected Marine Corps Reservists without previous active duty intelligence experience who successfully complete Phases I and II of the MAGTF Intelligence Specialist Reserve Course, NMITC, Dam Neck, VA, will be awarded MOS 0231 as an additional MOS only. SMCR Marines holding additional MOS 0231 may receive primary MOS 0231 after serving 3 years in the billet MOS unless sooner waived by CMC (DirInt).

(4) Must be eligible for a top-secret security clearance and access to Sensitive Compartmented Information based on a completed Single Scope Background Investigation (SSBI). Applications for the SSBI must be submitted prior to attendance of the Intelligence Specialist Course at NMITC, Dam Neck, VA.

(5) Must have 24 months obligated service remaining upon graduation from the MOS producing school.

(6) Must be a U.S. citizen.

(7) All Marines requesting a lateral move into the MOS 0231, USMC AND USMCR, must have a screening interview conducted by a 0231 GySgt or above. Interview waivers can be granted only by the OccFld 02 manager or CMC (MM).

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Intelligence Specialist 059.267-010.

(2) Intelligence Clerk 249.387-014.

e. Related Military Skill. Imagery Interpretation Specialist, 0241.

5. MOS 0241, Imagery Analysis Specialist (MSgt to Sgt) PMOS

a. Summary. MOS 0241, Imagery Analysis Specialists are accessed by lateral move from any MOS. They process and analyze imagery gathered by various sensor platforms to derive intelligence. They use photogrammetric skills to assist the commander in accurate target acquisition and perform reconnaissance mission planning for multi-mission, multi-source imagery reconnaissance. Intelligence derived by the imagery analyst is used in updating military intelligence databases at national, theater, and organic level. Imagery analysis products include Battle Damage Assessment (BDA), Order of Battle (OOB), Lines of Communication (LOC) surveys, Helicopter Landing Zone (HLZ), coastal landing beaches, Expeditionary Airfields, Non-Combatant Evacuation Operation (NEO) studies and target identification.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Imagery Analysis Apprentice Course, Goodfellow AFB, TX.

(3) Must have 36 months obligated service remaining upon completion of training.

(4) This MOS may be recruited for and accessed from the SMCR entry-level training pipeline (E1-E4).

(5) Must have normal color vision and normal stereoscopic acuity.

(6) Must be a U.S citizen.

(7) Must be eligible for a top secret security clearance and access to Sensitive Compartmented Information, based upon a Single Scope Background Investigation. Application for the SSBI must be submitted prior to attendance of the Imagery Analysis Apprentice Course at Goodfellow AFB, TX.

(8) The MOS will be assigned and voided only by the CMC (MM).

(9) Must be a sergeant of any MOS; however, corporals may be considered if otherwise exceptionally qualified.

(10) All Marines requesting a lateral move into the MOS 0241, USMC and USMCR, must have a screening interview conducted by a 0241 GySgt or above. Interview waivers can be granted only by the OccFld 02 Manager or CMC (MM).

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Aerial-Photograph Interpreter 029.167-010.

(2) Photogrammetrist 018.261-026.

e. Related Military Skill. Geographic Intelligence Specialist, 0261.

6. MOS 0261, Geographic Intelligence Specialist (MSgt to Pvt) PMOS

a. Summary. MOS 0261, Geographic intelligence specialist is an entry level primary MOS. Geographic intelligence specialists collect, analyze, and process geophysical data. They perform precision ground control survey operations to provide the positional data required for various weapons delivery and C3 systems, construct and revise military maps and charts, conduct geodetic, topographic, and hydrographic survey operations, and analyze terrain and hydrography as a functional aspect of military intelligence. Equipment utilized includes survey and mapping instrumentation such as the theodolites, electronic and satellite positioning equipment, and microcomputer based mapping equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) High school courses in algebra, geometry, and trigonometry are highly desirable.

(3) Must be eligible for a top secret security clearance and access to Sensitive Compartmented Information, predicated upon a Single Scope Background Investigation. Applications for the SSBI must be submitted prior to attendance of the Basic Geographic Intelligence Course at Ft. Belvoir, VA.

(4) Must complete the Basic Geographic Intelligence Course at Defense Mapping School, Ft Belvoir, VA.

(5) Must have normal color vision and normal stereoscopic acuity.

(6) All Marines requesting a lateral move to MOS 0261, USMC and USMCR, must have a screening interview conducted by a 0261 GySgt or above. Interview waivers can be granted only by the 02 OccFld Manager or CMC (MM).

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Geodetic Computer 018.167-014.
- (2) Surveyor, Geodetic 018.167-038.
- (3) Surveyor, Marine 018.167-046.
- (4) Drafter, Cartographic 018.261-010.

e. Related Military Skill. Imagery Analysis Specialist, 0241.

7. MOS 0291, Intelligence Chief (MGySgt) PMOS

a. Summary. Intelligence chiefs assist and advise the AC/S, G-2 concerning the operation of the intelligence section. Their responsibilities are to ensure efficient operation of the intelligence section by supervising, instructing, and assisting section personnel in the performance of their duties. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

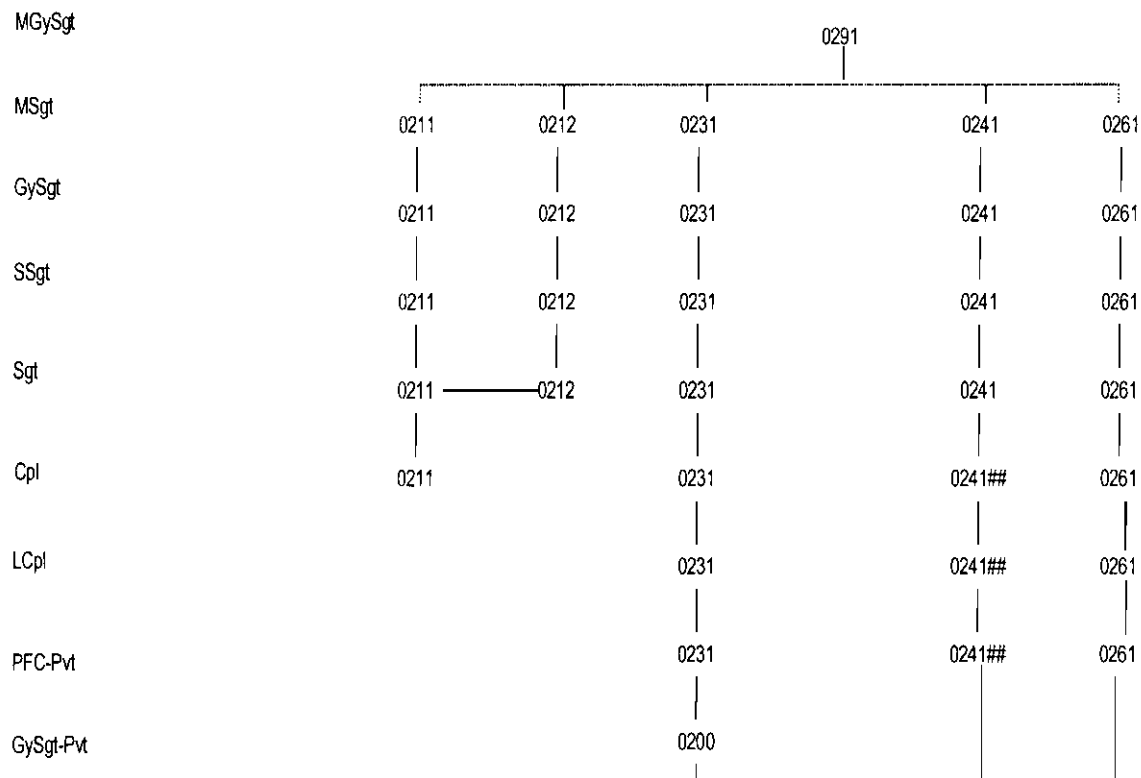
- (1) Must hold primary MOS 0211, 0231, 0241, or 0261.
- (2) Must be eligible for a top-secret security clearance and access to Sensitive Compartmented Information (SCI) predicated upon a Single Scope Background Investigation.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.32, Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Intelligence Specialist 059.267-014.

e. Related Military Skill

- (1) Counterintelligence Specialist, 0211.
- (2) Intelligence Specialist, 0231.
- (3) Imagery Analysis Specialist, 0241.
- (4) Geographic Intelligence Specialist, 0261.



Applies to USMCR only.

<u>MOS</u>	<u>TITLE</u>
0200	Basic Intelligence Marine (Basic MOS)
0211	Counterintelligence/HUMINT Specialist (PMOS)
0212	Technical Surveillance Countermeasure (TSCM) Specialist (NMOS)
0231	Intelligence Specialist (PMOS)
0241	Imagery Analysis Specialist (PMOS)
0261	Geographic Intelligence Specialist (PMOS)
0291	Intelligence Chief (PMOS)

FIGURE 3-2.--Intelligence Career Structure Chart

MOS 0211, Counterintelligence Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			0291
MSgt	CI/HUMINT Advance Course	Military Operations Familiarization Course National Counter Drug Awareness Course 1stSgt/MSgt Seminar Advanced Counter-Intelligence Course	FMF Duty:## MARFOR HQ/MEF/ 4 th MEB/Intel Bn Non-FMF Duty: MCIA/HQMC/ CENTCOM/ Instructor
GySgt	CI/HUMINT Advance Course SNCO Advance Course Intermediate Level Language Training	Strategic Debriefing Interrogation Course National Counter Drug Awareness Course DIA Multi-disciplinary Counter Intelligence Analyst Course Undergraduate Intelligence Program (UGIP) Advanced Counter-intelligence Course Attaché Staff Operations Course Intelligence Collections Management Course	FMF Duty:## MARFOR HQ MEF/4 TH MEB/ Intel Bn Non-FMF Duty: HMX-1/MSGbN USDAO/HQMC/ MCIA/NCIS/SERE/ USFK/JCITA/JSOC Instructor/MCB/ I&I Staff/DIA/ Instructor/MCB/ DLI

FIGURE 3-2.--Intelligence Career Structure Chart

Sgt/SSgt	MAGTF CI/HUMINT Course	Designated Language School Interrogation	FMF Duty: # FSSG/MAW/MEF/ 4 th MEB/MARFOR HQ/Intel Bn
	SNCO Career Course	MAGTF Interrogation Prisoner of War Course	Non-FMF Duty: Instructor/ I&I Staff/MCIA/ USDAO/NCIS/OB
	Intermediate Level Language Training	Field Training Course	JTF-6/CBIRF/ Security Forces/ CENTCOM/GTMO
		Technical Surveillance Countermeasures Training Course	
		Dynamics of International Terrorism Course	
		Computer Systems Security Course	
		Survival Evasion Resistance Escape (SERE)	
		Attaché Staff Operations Course	
		Operations Specialist Support Course	
		Parachutist Qualification School	
		Undergraduate Intelligence Program (UGIP)###	

Cpl	MAGTF CI/HUMINT Course		FMF Duty: Intel Bn
	(Initial MOS Qualification training receives MOS 0211)		Non-FMF Duty: None

#	6-14 years after formal school training.		
##	Return to Primary MOS for further training.		
###	SSgt only.		

FIGURE 3-2.--Intelligence Career Structure Chart

MOS 0231, Intelligence Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			0291
MSgt		Financial Management of Intelligence 1 st Sgt/MSgt Seminar	FMF Duty: MARFOR HQ/MEF/Div/ FSSG/Regt/ MAG/MEU/ MAW Non-FMF Duty: NMITC/MCCDC/ HQMC/DIA/Joint Staffs
GySgt		Undergraduate Intelligence Program (UGIP) Intelligence Collection Management Course	FMF Duty: MARFOR HQ/MEF/Div/ MAW/FSSG/Regt/ MAG/MEU Non-FMF Duty: NMITC/MCCDC/ HQMC/DIA/Joint Staffs/MSGbN
SSgt		Dynamics of International Terrorism Undergraduate Intelligence Program (UGIP) Computer Systems Security Course MAGTF Intelligence Specialist Journeyman Course I&W Course Intelligence Collection Management Course	FMF Duty: Bn/Sqdn/Regt/ MAG/MEU/FSSG/ Div HQ/MAW/MEF/ MARFOR HQ Non-FMF Duty: DIA/HQMC/MCCDC/ MCAGCC/ Instructor/ I&I Staff

FIGURE 3-2.--Intelligence Career Structure Chart

Sgt		Combat Targeting Course	FMF Duty: Bn/Sqdn/Regt/
		IAS Systems Admin Course	MAG/MEU/FSSG/ MAW/Div HQ/MEF/
		National Intelligence Course	Non-FMF Duty: Joint Staffs/ RCTG/
		Intelligence Collection Management Course	HQMC/MCCDC/I&I Staff

Cpl-Pvt	MAGTF Intelligence Specialist Entry Course	IAS Operators Course	FMF Duty: MARFOR
		IAS Sys Admin Course	HQ/MEF/Div/ MAW/FSSG/MAG/
		Common Ground Station Operator Course (JSTARS)	REGT/Bn/Sqdn
			Non-FMF Duty: None

MOS 0241, Imagery Analysis Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			0291
MSgt		1stSgt/MSgt Seminar	FMF Duty: Intel Bn Non-FMF Duty: HQMC/MCIA/JICPAC
GySgt/SSgt		Requirements Management System course	FMF Duty: Intel Bn/PAC/ LAMT/MEF/ MAW/VMU
		Joint Imagery Analysis Course (JIAC)	Non-FMF Duty: HQMC/JFIC/ JICPAC/JTF6
		Intelligence Collection Management Course	CENTCOM/ SOUTHCOM/JAC
		Undergraduate Intelligence Program (UGIP)	MOLESW UJ/ USFK/MCIA/ MARCORSYSCOM/ DI/RTG/
		Combat Targeting Course	MSG/Instructor
		Joint Targeting School	
		Battle Damage Assessment Course	

FIGURE 3-2.--Intelligence Career Structure Chart

Afloat Imagery Managers
Course

Intro to Remotely Sensed
Imagery and Geographic

Common Ground Station
Operators Course
(JSTARS School)

Community Imagery Analysis
Course

Sgt/Cpl

Joint Imagery Analysis
Course (JIAC)

FMF Duty:
Intel Bn/
MEU

Imagery Analysis Apprentice
Course

Non-FMF Duty:
MCIA

MOS 0261, Geographic Intelligence Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			0291
MSgt		1 st Sgt/MSgt Seminar	FMF Duty: Intel Bn/PAC Non-FMF Duty: None
GySgt/SSgt		Advanced Topographic Analysis Course	FMF Duty: Intel Bn/MEU/ PAC/MEF
		Advanced Geodetic Surveying Course	Non-FMF Duty: CENTCOM/DIA/ MCIA/
		Topographic Officer Management Course	MARCORSYSCOM/ DI/RTG/
		Geospacial Information and Services (GI&S)	MSG/Instructor
		Joint Staff Officer Course	
		##Undergraduate Intelligence Program (UGIP)	

#Sgt/Cpls can also attend these courses if they are on their second reenlistment or have agreed (in writing - via page 11 entry) to re-enlist.

For Sgt and above with a minimum of eight years of intelligence experience. See latest applicable MARADMIN message for prerequisites and application instructions.

FIGURE 3-2.—Intelligence Career Structure Chart

Sgt/Cpl	#Intro To Remotely Sensed Imagery and Geographic Information Systems Course (RSI/GIS)	FMF Duty: Intel Bn/MEU/MEF/ Div Non-FMF Duty: JFIC/JICPAC/ DI/RTG/MCIA MSG/Instructor
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LCpls can also attend this course if it is required training for their billet.

LCpl/Pvt	Basic Geographic Intelligence Specialist (BGIS) Course Introduction to Combat Intelligence (MCI 02.8b)	FMF Duty: Intel Bn/MEU/ DIV Non-FMF Duty: None
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MOS 0291, Intelligence Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: MARFOR HQ/ MEF/Div HQ/ MAW/FSSG Non-FMF Duty: NMITC/HQMC/MCIA MARSOC/DIA

FIGURE 3-2.--Intelligence Career Structure Chart

3108. OCCUPATIONAL FIELD 03, INFANTRY

1. Introduction. Naval oriented expeditionary warriors of final resort providing maximum versatility in chaotic and uncertain conditions of crisis and conflict; trained in core competencies of gunnery on infantry weapons, combat operations, and battlefield awareness; employing a variety of weapons, and through communications links, supporting arms including artillery, naval gunfire, and close air support; sea-based, projecting onto vital littorals in any climate or place, capable of the full spectrum of combat, day or night, against opposing forces with a full spectrum of capabilities, including NBC; using maneuver warfare to locate, close with, and destroy the enemy by fire and maneuver; either on foot or mounted on trucks, assault vehicles, assault craft, or vertical assault aircraft; able to secure and defend self and vital terrain by repelling the enemy's assault by fire, maneuver, and close combat; cultivated in a leadership continuum that develops the basic warrior through experience and coaching into a fully qualified noncommissioned officer and staff noncommissioned officer, a combat leader of Marines who trains and directs the actions of Marines in teams, sections, squads, and platoons, while coordinating with higher and adjacent units and supporting units.

2. MOS 0311, Rifleman (Sgt to Pvt) PMOS

a. Summary. The riflemen employ the M16A2 service rifle, the M203 grenade launcher and the squad automatic weapon (SAW). Riflemen are the primary scouts, assault troops, and close combat forces available to the MAGTF. They are the foundation of the Marine infantry organization, and as such are the nucleus of the fire team in the rifle squad, the scout team in the LAR squad, scout snipers in the infantry battalion, and reconnaissance or assault team in the reconnaissance units. Noncommissioned officers are assigned as fire team leaders, scout team leaders, rifle squad leaders, or rifle platoon guides.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 80 or higher.
- (2) Complete the Marine Rifleman Course at the School of Infantry, East or West.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Combat Rifle Crewmember.

e. Related Military Skill

- (1) Machine Gunner, 0331.
- (2) Infantry Assaultman, 0351.

3. MOS 0312, Riverine Assault Craft (RAC) Crewman (GySgt to PFC) FMOS

a. Summary. The RAC crewman performs duties as either coxswain for the RAC or employs the onboard weapons systems (M240G, M2, MK-19).

b. Requirements/Prerequisites

- (1) GT score of 90 or higher.

(2) Complete the RAC Crewman Course at 2d SOTG, II MEF.

(3) Must be a minimum Combat Water Survival, Second Class (CSW-2).

(4) MOS assigned as a NMOS to 03 Marines serving in the Small Craft Company, 2d Marine Division or any other Marine unit employing the Riverine Assault Craft after graduating from the Riverine Assault Craft Crewman Course, or after undergoing a unit MOJT and six months observed time.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

4. MOS 0313, LAV Crewman (MGySgt to Pvt) PMOS

a. Summary. The LAV crewman provides driving and 1st echelon maintenance skills for all mission role vehicles organic to the LAR battalion. The LAV crewman also provides gunnery and weapons skills for the employment of the 25mm chain gun, the coaxial and pintle-mounted 7.62mm machineguns and thermal optics on the LAV-25 variant. LAV crewmen are knowledgeable in security and reconnaissance missions in support of the MAGTF. Noncommissioned officers are assigned as vehicle commanders and LAV-25 gunners.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Must be qualified as basic infantryman and having completed training at either Schools of Infantry, at the Infantry Training Battalion (ITB) as a 0311. Marines seeking an MOS lateral move (LAT Move) to the 0313 MOS are still required to complete ITB training if they have not been previously qualified in an infantry MOS 0311, 0331, 0341, 0351, or 0352.

(3) Complete the LAV Crewman Course for assignment as a primary MOS.

(4) Must be qualified as a 4th class swimmer.

(5) Vision of 20/200 must be correctable to 20/20.

(6) Must possess the psychological and physiological qualifications required for licensing as a Government motor vehicle operator; see MCO 11240.66 and TM 11240-15/3.

(7) Must have a past driving record appropriate for issue of SF-46 as evidenced by a search of the National Driver Register.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Armor Reconnaissance Specialist 378.363-010.

e. Related Military Skill. M1A1 Tank Crewman, 1312.

5. MOS 0314, Rigid Raiding Craft (RRC)/Rigid Hull Inflatable Boat (RHIB) Coxswain (SSgt to PFC) FMOS

a. Summary. The rigid raiding craft/rigid hull inflatable boat (RHIB) coxswain is responsible for the safety and conduct of this boat team and embarked Marines, and the safe operation, launch, recovery, maintenance of the craft and its associated SL-3 equipment, and components.

b. Requirements/Prerequisites

(1) Qualified as Combat Water Survival, Second Class (CWS-2).

(2) Complete the Rigid Raiding Craft Coxswain Skills Course at 2d Special Operations Training Group (SOTG), II MEF, or participate in a six month MOJT conducted by the Small Craft Company, 2d Marine Division.

(3) Must have normal color vision and visual acuity.

(4) MOS Assigned as a FMOS after attending an approved Rigid Raiding Craft Coxswain Skills Course, or by the Commanding Officer, Headquarters Battalion, 2d Marine Division after 6 months of MOJT in the Small Craft Company 2d Marine Division.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill

(1) Combat Rubber Reconnaissance Craft (CRRC) Coxswain, 0316.

(2) Reconnaissance Man, 0321.

6. MOS 0316, Combat Rubber Reconnaissance Craft (CRRC) Coxswain (SSgt to PFC) NMOS (0311, 0321, 0369)

a. Summary. The combat rubber reconnaissance craft (CRRC) coxswain is responsible for the safety and conduct of his boat team and the safe operation, handling, launch, recovery and maintenance of Combat Rubber Reconnaissance Craft (CRRC) and its associated equipment, components and SL-3 items.

b. Requirements/Prerequisites

(1) Qualified as combat water survival, second class (CWS-2) or higher required.

(2) Completion of the Combat Rubber Reconnaissance Craft Coxswain Skills Course at Expeditionary Warfare Training Group, Pacific (EWTGPAC), 2d Special Operations Training Group (SOTG) or 3d SOTG Combat Rubber Reconnaissance Craft Coxswain Skills Course, Marine Special Operations School, or attend and graduate from the Basic Reconnaissance Course (BRC) at EWTGPAC/LANT with an additional 6-months of Managed-On-the Job Training (MOJT) at U.S. Marine Special Operations Command, Marine Special Operations Battalion (USMARSOC), and USMC Force Reconnaissance Company/Reconnaissance Battalion.

(3) Must have normal color vision and visual acuity.

(4) MOS assigned as a NMOS after attending the formal school at EWTGPAC, 2d Special Operations Training Group (SOTG), or 3d SOTG Combat Rubber Reconnaissance Craft Coxswain Skills Course or by Recon Commanders after the Marine attends BRC and completes 6-months of MOJT on coxswain skills ITSS.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill

(1) Rigid Raiding Craft (RRC) Coxswain, 0314.

(2) Reconnaissance Man, 0321.

7. MOS 0317, Scout Sniper (GySgt to LCpl) NMOS (0311, 0321, 0331, 0341, 0351, 0352, 0369)

a. Summary. The scout sniper is a Marine skilled in field craft and marksmanship who delivers long range, precision fire on selected targets from concealed positions in support of combat operations. They have a secondary mission of gathering information for intelligence purposes. They participate in activities designed to deny the enemy freedom of movement by targeting enemy leaders, crew-served weapons operators, radiomen, observers, messengers, and other key personnel with precision fire. Scout snipers engage vital material targets such as command and control equipment, light armored vehicles, air defense radar, and missile launchers that require precision rifle fire to neutralize. Scout snipers also conduct close reconnaissance and surveillance operations for the infantry battalion in support of the intelligence section.

b. Requirements/Prerequisites

(1) Must have a minimum GT Score of 100 or higher.

(2) Must be currently qualified as an expert rifleman.

(3) Possess all the essential qualifications and capabilities of an infantry Marine.

(4) Must have vision correctable to 20/20 in both eyes. Color blindness is discouraged.

(5) Must have a current First Class PFT.

(6) Have no history of mental illness.

(7) Must be eligible to receive a secret security classification.

(8) Successful completion of an approved Scout Sniper Basic Course at Quantico, or at the 1st, 2nd, or 3rd Marine Division.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill

- (1) Rifleman, 0311.
- (2) Reconnaissance Marine, 0321.

8. MOS 0321, Reconnaissance Man (MGySgt to Pvt) PMOS

a. Summary. The reconnaissance man is responsible for providing the amphibious, long range, small unit, ground reconnaissance and raid skills to support the MAGTF. He is the nucleus of a reconnaissance team in the reconnaissance battalion or the reconnaissance or assault team in the Marine Special Operations Company (MSOC's). In addition to basic infantry skills, he is responsible for highly refined scouting and patrolling skills. He must possess advanced proficiency in scout swimming, small boat operations, close combat skills, airborne, surface and sub-surface insertion and extraction techniques, assault climbing, demolitions, forward observer procedures for supporting arms, initial terminal guidance operations for heliborne assaults, airborne insertion operations, and various waterborne operations. He specializes in communications, photography, threat weapons and equipment recognition, and various types of point, area, and related necessary overlap of ground amphibious reconnaissance operations. Marines assigned to assault teams possess advanced skills in assault weaponry, breaching demolitions, close quarter battle skills and raid techniques. Selected reconnaissance men are further trained as static line and free-fall parachutists and combatant divers. - Noncommissioned officers are assigned as reconnaissance and assault team leaders or their assistants and may be qualified as static line and free-fall jumpmasters, dive supervisors, helicopter insertion/ extraction masters (HRST), and tandem offset resupply delivery system (TORDS) operators.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 105 or higher.
- (2) Must possess a first class swimmer qualification.
- (3) Must obtain a first class score on the PFT.
- (4) All Marines, to include non-infantry desiring lateral move, must successfully complete the Marine Rifleman Course of instruction prior to attending the Basic Reconnaissance Course.
- (5) Assigned as a primary MOS to MGySgt and below 03XX Marines by CMC (MM) and Reconnaissance OccFld Manager (PP&O Code POG), and approved lateral-move Marines from any other MOS, who graduate from the Basic Reconnaissance Course (BRC).
- (6) Must be a U.S. citizen.
- (7) Must be eligible for a secret security clearance.
- (8) Must be medically qualified to perform jump and combatant dive qualifications IAW inter-service requirements established in the P117 Navy Manual of Medicine and Army AR 40-501. Marines assigned 0321 PMOS who become medically unqualified may be directed to Lateral move or be reassigned based on the Commanding Officer, MMEA and HQM recommendations IAW MCO P1000.6.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill

(1) Rifleman, 0311.

(2) LAV Crewman, 0313.

(3) Machine Gunner, 0331.

(4) Motarman, 0341.

(5) Infantry Assaultman, 0351.

(6) Antitank Missileman, 0352.

(7) Infantry Unit Leader, 0369.

9. MOS 0323, Reconnaissance Man, Parachute Qualified (MGySgt to Pvt) NMOS (0321)

a. Summary. Reconnaissance man, parachute qualified, participates in reconnaissance activities to gain information on the enemy and terrain. When appropriate, utilizes parachute as a means of entry in the execution of reconnaissance missions.

b. Requirements/Prerequisites. Must hold MOS 0321, Reconnaissance Man and complete Basic Airborne Course at USAIS at Ft. Benning GA.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.73, Training and Readiness Manual for Recon Marines.

d. Related DOT Classification/DOT Code. Reconnaissance Crewmember 378.367-030.

e. Related Military Skill. Reconnaissance Man, Combatant Diver Qualified, 0324.

10. MOS 0324, Reconnaissance Man, Combatant Diver Qualified (MGySgt to Pvt) NMOS (0321)

a. Summary. Reconnaissance man, combatant diver qualified, participates in reconnaissance activities to gain information of the enemy and terrain. Utilize combatant diving, when appropriate, in the execution of reconnaissance missions.

b. Requirements/Prerequisites. Must hold MOS 0321, Reconnaissance Man and complete MCCDC approved Combatant Diver qualification course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.73, Training and Readiness Manual for Recon Marines.

d. Related DOT Classification/DOT Code. Reconnaissance Crewmember 378.367-030.

e. Related Military Skill. Combatant Diver Marine, 8023.

11. MOS 0326, Reconnaissance Man, Parachute and Combatant Diver Qualified (MGySgt to Pvt) NMOS (0321)

a. Summary. Reconnaissance man, parachute and combatant diver qualified, participates in reconnaissance activities to gain information about the enemy and terrain, employ parachute insertion as the means of entry or when appropriate, combatant diver to insert/extract.

b. Requirements/Prerequisites. Must hold MOS 0321, Reconnaissance Man and complete Basic Airborne Course at USAIS at Ft. Benning GA and MCCDC approved Combatant Diver qualification course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.73, Training and Readiness Manual for Recon Marines.

d. Related DOT Classification/DOT Code. Reconnaissance Crewmember 378.367-030.

e. Related Military Skill

(1) Reconnaissance Man, Parachute Jump Qualified, 0323.

(2) Reconnaissance Man, Combatant Diver Qualified, 0324.

12. MOS 0331, Machine Gunner (Sgt to Pvt) PMOS

a. Summary. The machine gunner is responsible for the tactical employment of the 7.62mm medium machine-gun, the 50 cal., and 40mm heavy machine-gun, and their support vehicle. Machine gunners provide direct fire in support of the rifle and LAR squads/platoons/companies and the infantry and LAR battalions. They are located in the weapons platoons of the rifle and LAR companies and the weapons company of the infantry battalion. Noncommissioned officers are assigned as team leaders and squad leaders/section leaders.

b. Requirements/Prerequisites

(1) Must possess a GT score of 80 or higher.

(2) Complete the Machine Gunner Course at the School of Infantry, East or West.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Infantry Weapons Crewmember 378.684-026.

e. Related Military Skill

(1) Rifleman, 0311.

(2) Antitank Missileman, 0352.

13. MOS 0341, Mortarman (Sgt to Pvt) PMOS

a. Summary. Mortarmen are responsible for the tactical employment of the 60mm light mortar and the 81mm medium mortar. Mortarmen provide indirect fire in support of the rifle and LARS quads/platoons/companies and the infantry and LAR battalions.

They are located in the weapons platoons of the rifle and LAR companies and the weapons company of the infantry battalion. Noncommissioned officers are assigned as mortar gunners, forward observers, fire direction plotters, and squad and section leaders.

b. Requirements/Prerequisites

(1) Must possess a GT score of 80 or higher.

(2) Complete the Mortarman Course at the School of Infantry, East or West.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Infantry Indirect Fire Crewmember 378.684-022.

e. Related Military Skill. Field Artillery Cannoneer, 0811.

14. MOS 0351, Infantry Assaultman (Sgt to Pvt) PMOS

a. Summary. The infantry assaultman employs rockets, the Anti-Personnel Obstacle Breaching System (APOBS), and demolitions. Assaultmen provide rocket fire against fortified positions in support of the rifle squads, platoons, and companies within the infantry battalion. Additionally, assaultmen employ APOBS, demolitions, and breaching/infiltration techniques to facilitate infantry maneuver in the offense, and demolitions and expedient counter mobility measures in the defense. Assaultmen are found in the assault sections of weapons platoons of the infantry rifle companies. Noncommissioned officers are assigned as gunners, team, squad, and section leaders.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Infantry Assaultman Course at Infantry Training Battalion, School of Infantry, Training Command, Camp Pendleton, CA/Camp Lejeune, NC, or upon completion of appropriate managed on the job training (MOJT).

(3) Must have normal color vision, and vision of 20/200, correctable to 20/20.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill

(1) Rifleman, 0311.

(2) Anti-Tank Missileman, 0352.

(3) Combat Engineer, 1371.

15. MOS 0352, Anti-tank Missileman (Sgt to Pvt) PMOS

a. Summary. The anti-tank missileman is responsible for the tactical employment of the M220E4 TOW2 Weapon System, M98A1 Javelin Weapons System, anti-armor operations, and tactical vehicle operations. They provide medium and heavy anti-armor fire in support of the infantry battalion, LAR battalion, tank battalion, and the MAGTF. They are located in the anti-armor platoon within the weapons company of the infantry battalions and LAR battalions, the TOW platoons of the tanks battalions, and the TOW Company of the 4th Tank Battalion (MARFORRES). Non-commissioned officers are assigned as gunners and squad leaders.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Complete the Anti-Tank Assault Guided Missileman Course at Infantry Training Battalion, School of Infantry, Training Command, Camp Pendleton, CA/Camp Lejeune, NC, or upon completion of appropriate MOJT.
- (3) Must have normal color vision, and vision of 20/200, correctable to 20/20.
- (4) Must have a past driving record appropriate for issue of SF-46 as evidenced by a search of the National Driver Register.
- (5) Must possess the psychological and physiological qualifications required for licensing as a Government motor vehicle operator (see MCO 11240.66 and TM-11240-15/3).

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Anti-Tank Assault Gunner.

e. Related Military Skill

- (1) Assaultman, 0351.
- (2) LAV Crewman, 0313.
- (3) Tank Crewman, 1812.

16. MOS 0369, Infantry Unit Leader (MGySgt to SSgt) PMOS

a. Summary. The infantry unit leader assists commanders and operations officers in the training, deployment and tactical employment of rifle, weapons, LAR, and antitank platoons/companies and infantry, and LAR battalions, are proficient in all the infantry weapons systems. They supervise and coordinate the preparation of personnel, weapons and equipment for movement and combat, the establishment and operation of unit command posts, the fire and movement between tactical units, the fire of supporting arms, and the unit resupply and casualty evacuation effort. As a platoon sergeant or section leader in the rifle, scout sniper, weapons, heavy machinegun, LAR, and anti-armor platoons, he advises the platoon commander on all issues of discipline, morale and welfare.

b. Requirements/Prerequisites. Complete the Infantry Unit Leader Course at SOI, Camp Pendleton, CA, or SOI, Camp Lejeune, NC, or have held either MOS 0311, 0313, 0331, 0341, 0351 or 0352 upon selection to staff sergeant.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500-87, Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Infantry Unit Leader 378.137-010.

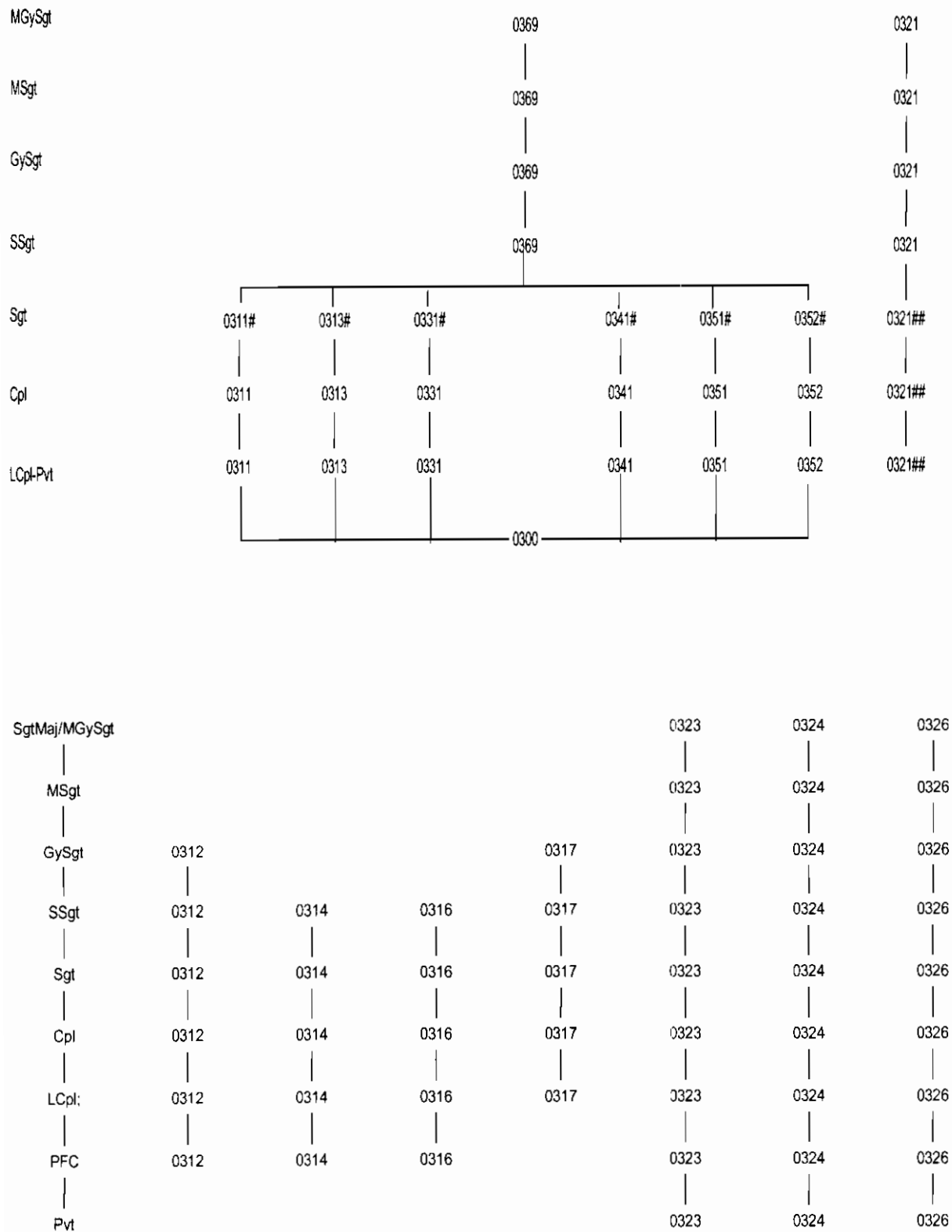


FIGURE 3-3.--Infantry Career Structure Chart

MOS is not retained as a primary MOS upon promotion to SSgt; however, SNCOs assigned to LAV or TOW units must have previously held MOS 0313 or 0352, respectively.

##MOS 0321 is filled by a dual spigot with both entry level designated 03 Marines at SOI and approved operating forces by any PMOS E-5s and below.

- 0311 Rifleman (PMOS)
- 0312 Riverine Assault Craft (RAC) Craft (NMOS)
- 0313 LAV Crewman (PMOS)
- 0314 Rigid Raiding Craft (RCC)/Rigid Hull Inflatable Boat (RHIB) Coxswain (FMOS)
- 0316 Combat Rubber Reconnaissance Craft (CRRC) Coxswain (NMOS)
- 0317 Scout Sniper (NMOS)
- 0321 Reconnaissance Man (PMOS)
- 0323 Reconnaissance Man, Parachute Qualified (NMOS)
- 0324 Reconnaissance Man, Combatant Diver Qualified (NMOS)
- 0326 Reconnaissance Man, Parachute and Combatant Diver Qualified (NMOS)
- 0331 Machine Gunner (PMOS)
- 0341 Mortarman (PMOS)
- 0351 Infantry Assaultman (PMOS)
- 0352 Anti-tank Missileman (PMOS)
- 0369 Infantry Unit Leader (PMOS)

MOS 0311, Rifleman (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt		Squad Leader Course Sergeants Course	FMF Duty: MEF/Div HQ/ MEU/Inf Regt/Inf Bn Non-FMF duty: Instructor/ Drill Field/ Recruiting/ MCSF Bn
Cpl		Squad Leader Course	FMF Duty: MEU/Inf Regt/ Inf Bn Non-FMF Duty: Instructor
LCpl/ Pvt	Rifleman Course		FMF Duty: Inf Bn Non-FMF Duty: None

MOS 0313, LAV Crewman (NMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt/ Cpl		Squad Leader Course Sergeants Course	FMF Duty: LAR Bn Non-FMF Duty: None
LCpl/ Pvt	LAV Crewman Course		FMF Duty: LAR Bn Non-FMF Duty: None

FIGURE 3-3.--Infantry Career Structure Chart

MOS 0321, Reconnaissance Man (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt/ MSgt	Operation Chief Course		FMF Duty: Div Recon Co/Force Recon Non-FMF Duty: MCSF/Drill Field/ I&I/Supporting Establishments
<hr/>			
GySgt		Operation Chief Course	FMF Duty: Div Recon Co/Force Recon
		SNCOA Advance Course	Non-FMF Duty: MCSF/Drill Field/ I&I/Supporting Establishments
		Infantry Platoon Sergeants Course	
<hr/>			
SSgt		Dive Supervisor	FMF Duty: Div Recon Co/Force Recon
		Freefall Jumpmaster	Non-FMF Duty: MCSF/Drill Field/ Recruiting Duty
		Infantry Platoon Sergeants Course	Instructor/ I&I/ Supporting Establishment
		SNCOA Career Course	
		SERE School	
<hr/>			
Sgt		Static Line Jumpmaster	FMF Duty: Div Recon Co/Force
		Military Freefall Long Range Surveillance Leader	Non-FMF Duty: SOTG/BRC
		HRST Master	
		Sergeants Course	
		SERE School	
<hr/>			

FIGURE 3-3.--Infantry Career Structure Chart

Cpl	Basic Reconnaissance Course	Airborne Course SERE School	FMF Duty: Div Recon Co/Force Recon Non-FMF Duty: None
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Pvt-LCpl	Basic Reconnaissance Course	Combatant Diver Course Airborne Course SERE School	FMF Duty: Div Recon Co/Force Recon Non-FMF Duty: None
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MOS 0331, Machine Gunner (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt/ Cpl		Advance Machinegun Leaders Course	FMF Duty: Div HQ/Inf Regt/Inf Bn/LAR Bn Non-FMF Duty: None

LCpl/ Pvt	Machine Gunner Course		FMF Duty: Div HQ/Inf Regt/Inf Bn/LAR Bn Non-FMF Duty: None
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MOS 0341, Mortarman (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt/ Cpl		Advance Mortar Leaders Course	FMF Duty: Inf Bn/FSSG/ H&S Bn Non-FMF Duty: None

LCpl/ Pvt	Mortarman Course		FMF Duty: Inf Bn/FSSG/ H&S Bn Non-FMF Duty: None
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FIGURE 3-3.--Infantry Career Structure Chart

MOS 0351, Infantry Assaultman (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt/ Cpl		Advanced Assaultman/ Breacher Leaders Course	FMF Duty: Inf Bn Non-FMF Duty: None
LCpl/ Pvt	Infantry Assaultman Course		FMF Duty: Inf Bn Non-FMF Duty: None
	Sapper Course		

MOS 0352, Antitank Missileman (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt/ Cpl		Advanced Anti-Tank Leaders Course	FMF Duty: Inf/Tank Bn Non-FMF Duty: None
LCpl/ Pvt	Infantry Anti-Tank Missileman Course		FMF Duty: Inf/Tank Bn Non-FMF Duty: None

MOS 0369, Infantry Unit Leader (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt/ MSgt	Infantry Operations Chief Course		FMF Duty: Div HQ/Inf Regt/Inf Bn LAR Bn/ Non-FMF Duty: MCSF/Drill Field/Recruiter/ Instructor/Marine Security Guard

FIGURE 3-3.--Infantry Career Structure Chart

GySgt	Infantry Operations Chief Course	FMF Duty: Div HQ/Inf Regt/Inf Bn/ LAR Bn/ Div Recon Co/Force Recon Non-FMF Duty: MCSF/Drill Field/Instructor
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SSgt	Infantry Platoon Sergeants Course	FMF Duty: Inf Regt/Inf Bn/LAR Bn/ Non-FMF Duty: MCSF/Drill Field/ Recruiter/Marine Security Guard/ Instructor

FIGURE 3-3.--Infantry Career Structure Chart

3109. OCCUPATIONAL FIELD 04, LOGISTICS

1. Introduction. Logistics is the science of planning and carrying out the movement and maintenance of forces. It includes the design, development, acquisition, storage, movement, distribution, maintenance, evacuation, and disposition of material; the movement, evacuation, and hospitalization of personnel; the acquisition or construction, maintenance, operation, and disposition of facilities; and the acquisition or furnishings of services. Logistics functions are performed by a wide variety of MOSs in various occupational fields. Enlisted specialties within occupational field 04 provide advice, guidance, logistics/combat service support, embarkation, landing support, and air delivery.

2. MOS 0411, Maintenance Management Specialist (MGySgt to Pvt) PMOS

a. Summary. The maintenance management specialist provides advice, guidance, and assistance to the equipment commodity manager, the maintenance commodity manager, and maintenance personnel who perform maintenance and maintenance management duties. The maintenance management officer and maintenance management chief supervise maintenance management personnel, monitor maintenance management programs, policies, and procedures, and analyze maintenance and maintenance management functional areas to ensure effective management of equipment, maintenance, and materiel. The maintenance information coordination specialist assigned to the Maintenance Information Systems Coordination Office (MISCO) ensures the proper functioning of the field maintenance subsystem of the Marine Corps Integrated Maintenance Management System (MIMMS).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Basic Marine Corps Integrated Maintenance Management System Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Johnson, Camp Lejeune, NC. As provided in paragraph 0005.2, Certification of this Manual, an additional MOS (AMOS) may be awarded by commanders after demonstrated performance of ITSS (see paragraph c. below), and completion of a minimum of 6-months duty while assigned to a 0411 billet.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification/DOT Code. Maintenance Data Analyst 221.367-038.

3. MOS 0431, Logistics/Embarkation Specialist (SSgt to Pvt) PMOS

a. Summary. The logistics/embarkation specialist prepares supplies and equipment for embarkation and performs various Force Deployment Planning and Execution (FDP&E) functions to support the movement of personnel, supplies, and equipment via all modes of transportation using commercial and military assets, at all levels including unit, MAGTF, and joint operations. They are trained in the application of Automated Information Systems (AIS) that are utilized throughout the Defense Transportation system (DTS) to account, track, and interface movement data with load planning programs and joint AIS to support the FDP&E process and In Transit visibility (ITV). The logistics/embarkation specialist is trained to prepare aircraft and ship load plans that meet organizational requirements. They assist with the preparation, planning, and execution of strategic mobility plans in accordance with the Time Phased Force Deployment Data (TPFDD) used to deploy and sustain forward deployed forces. The logistics/embarkation specialist also performs

multiple logistics administrative duties within the J/G/S-4 section. They compile and maintain logistics support data, compute combat logistics support requirements, and coordinate combat logistics functions in support of MAGTF operations and deployments. At the SNCO level, they will also serve as Combat Cargo Assistants (CCAs) onboard naval amphibious assault ships. MOS 0491, Logistics/Mobility Chief is assigned as the primary MOS upon promotion to Gunnery Sergeant.

b. Requirements/Prerequisites

- (1) Must be a U.S. citizen.
- (2) Must be eligible for a secret security clearance.
- (3) Must possess a GT score of 100 or higher.
- (4) Complete the Basic Logistics/Embarkation Specialist Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Johnson/Camp Lejeune, NC, upon entry or lateral move at the rank of Sergeant or below.
- (5) Sergeants making a lateral move must also complete the Logistics/Embarkation NCO Course, Logistics Operations School, Marine Corps Combat Service Support School, Camp Johnson/Camp Lejeune, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards or the Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Shipping and Receiving Clerk 222.387-050.
- (2) Cargo Checker 222.367-010.
- (3) Stevedore (1) 911.663-014.
- (4) Stevedore (2) 922.687-090.
- (5) Administrative Clerk 219.362-010.
- (6) Clerk, General 209.562-010.
- (7) Office Clerk 209.567-022.
- (8) Manager, Traffic 184.167-094.

e. Related Military Skill

- (1) Traffic Management Specialist, 3112.
- (2) Administrative, Clerk 0151.

4. MOS 0451, Airborne and Air Delivery Specialist (MGySgt to Pvt) PMOS

a. Summary. Airborne and air delivery specialists are responsible for the maintenance of all life safety equipment relating to Airborne/Airdrop operations. In addition, they will assist in preparing the supplies and equipment necessary to deliver personnel and equipment via parachute and conduct subsequent equipment recovery and throughput operations. They are responsible for performing parachute

repack as well as conducting preventive and corrective maintenance on all airdrop equipment, and will assist in evaluating proposed Landing Zone/Drop Zones in order to support the planning and execution of effective personnel, supplies, and equipment clearance during airborne, airdrop and equipment recovery operations. They will also perform various supervisory duties in support of airborne and airdrop missions to include, but not limited to, mission planning, Jumpmaster (military freefall and static line), Drop Zone Safety and Malfunctions Officers.

b. Requirements/Prerequisites

- (1) Must be a U.S. citizen.
- (2) Must be a volunteer.
- (3) Must be eligible for a secret security clearance.
- (4) Must possess a GT score of 100 or higher.
- (5) Must pass the U.S. Army Physical Fitness Test and have current CWS2 swim qualification.
- (6) Complete Airborne Course, U.S. Army Infantry School, Ft. Benning, GA, upon entry or lateral move at the rank of corporal or below.
- (7) Complete Parachute Riggers Course, U.S. Army Quartermaster School, Ft. Lee, VA, upon entry or lateral move at the rank of corporal or below.
- (8) Except for temporary limitations imposed by medical authority, when a Marine is no longer authorized to perform all duties required of an Airborne and Air Delivery Specialist, commanders will forward a request for revocation of 0451 Primary MOS to HQMC I&L Dept (LPC-1) for approval.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

5. MOS 0471, Personnel Retrieval and Processing Specialist (SSgt to Pvt) PMOS

a. Summary. Personnel retrieval and processing specialist perform duties in both combat and non-combat environments pertaining to the search and recovery, processing, tentative identification, interment, disinterment, and transportation of human remains and personal effects. Furthermore, they perform the various duties pertaining to the establishment of Collection Points and Interments sites. These duties are performed in both joint and single service theaters of operations and in an NBCR environment.

b. Requirements/Prerequisites

- (1) Complete the formal course of instruction at the U.S. Army Mortuary Affairs Center, Ft. Lee, VA, or other service school, equivalent civilian/government formal course of instruction (USAF, FEMA).
- (2) Must be a volunteer.
- (3) Must be eligible for a secret security clearance.

c. Duties

(1) SSgt-Sgt: Organizes teams for conducting tactical search and recovery operations of deceased military personnel.

(2) SSgt-Pvt: Conduct Search and recovery operations of deceased military personnel in both hostile and benign environments.

(3) SSgt to Sgt: Requisition and maintain appropriate search and recovery team T/E items.

(4) Conduct heavy recovery operations.

(5) Establish and operates casualty collection points.

(6) Prepare a personal effects depot case file.

(7) Conduct interment/disinterment operations.

(8) Conduct MADCP Operations.

(9) Conduct Theater Evacuation Point Operations.

(10) SSgt-Sgt: Complete PRP reports as necessary.

(11) Conduct Go-No-Go criteria in an EOD environment.

(12) SSgt-Sgt: Conduct Site Assessment/Heavy Recovery Operations.

(13) Conduct OJT for unit personnel (not MOS 0471 or 0472 qualified) tasked with search and recovery operations.

(14) Requisitions and maintains appropriate search and recovery team T/E items.

(15) Coordinates the transfer of remains and personal effects of remains in the area of operations.

d. Related DOT Classification/DOT Code. Graves Registration Specialist 355.687-014.

e. Related Military Skill. None.

6. MOS 0472, Personnel Retrieval and Processing Technician (SSgt to Pvt) FMOS

a. Summary. Personnel retrieval and processing technicians perform duties incident to the handling of human remains in both joint and single service theaters of operations.

b. Requirements/Prerequisites

(1) Complete the formal courses of instruction at the U.S. Army Mortuary Affairs Center, Ft. Lee, VA, or complete a 7 month deployment in a theater of operations during combat operations under the direct supervision of school trained PRP personnel. In addition, the SNM must receive a letter of recommendation from the OIC of the unit during the deployment.

(2) Must be a volunteer.

(3) Must be eligible for a secret security clearance.

c. Duties

(1) Organize teams for conducting tactical search and recovery operations of deceased military personnel.

(2) Conduct Search and recovery operation of deceased military personnel in both hostile and benign environments.

(3) Recover personal effects and records personal information using appropriate manuals and SOPs.

(4) Conducts temporary interment/disinterment of deceased personnel to include NBC contaminated remains.

(5) Conduct administrative actions with the appropriate unit personnel section.

(6) Coordinate search and recovery actions with the appropriate unit operations section.

(7) Coordinate multiple recovery team activities and logistics support thereof.

(8) Coordinates activities with MAGTF and/or within joint operations.

(9) Conducts OJT for unit personnel unit personnel (not MOS 0472 qualified) tasked with search and recovery operations.

(10) Requisitions and maintains appropriate search and recovery team T/E items.

(11) Establishes and operates casualty collection points.

(12) Coordinates the transfer of remains and personal effects of remains in the area of operations.

(13) Meet the theater effects depot requirements with regards to personal effects found on the remains.

(14) Meet the theater evacuation point operation requirements with regards to remains handling.

d. Related DOT Classification/DOT Code. Graves Registration Specialist 355.87-014.

e. Related Military Skill. None.

7. MOS 0481, Landing Support Specialist (SSgt to Pvt) PMOS

a. Summary. The landing support specialist performs various duties that support the establishment, maintenance and control of transportation throughput systems on beaches, landing zones, ports (air and sea), and terminals (rail, truck, and container) used in support of MAGTF operations and deployments. They are

trained in the doctrinal concepts of landing support and the landing force support party; conducting port, arrival/departure airfield, helicopter landing zone, and rail head operations. The landing support specialist is also trained in the application of Automated Information Systems (AIS) that are utilized throughout the Defense Transportation System (DTS) to track, and interface movement data with load planning programs and joint AIS to support the FDP&E process and In Transit Visibility (ITV). NCOs and Staff NCOs plan, conduct, and supervise landing support operations and training. At the MAGTF level, they assist with the throughput of unit personnel, supplies and equipment. They also assist with the preparation, planning, and execution of strategic mobility plans in accordance with the Time Phased Force Deployment Data (TPFDD) used to deploy and sustain forward deployed forces. At the SNCO level, they will also serve as Combat Cargo Assistants (CCAs) onboard naval amphibious assault ships. MOS 0491, Logistics/Mobility Chief is assigned as the primary MOS upon promotion to Gunnery Sergeant.

b. Requirements/Prerequisites

- (1) Must be a U.S. citizen.
- (2) Must be eligible for a secret security clearance.
- (3) Must possess a GT score of 95 or higher.
- (4) Must possess an MM score of 100 or higher.
- (5) Complete the Basic Landing Support Specialist Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Johnson/Camp Lejeune, NC, upon entry or upon lateral move at the rank of Sergeant or below.
- (6) Sergeants making a lateral move must also complete the Landing Support NCO Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Johnson/Camp Lejeune, NC.
- (7) Non-MOS qualified Reserve Marines unable to attend the regular formal school course may be certified for MOS 0481, as an AMOS-only, by the unit commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 0481 Marines is found in Force Order 1535.1 and consists of core tasks to be performed to standard at the Reserve Basic Landing Support School, MTT, or MOJT. A minimum of six months MOJT while assigned to a MOS 0481 billet is required.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Stevedore (1) 911.633-014.
- (2) Stevedore (2) 922.687-090.

e. Related Military Skill. None.

8. MOS 0491, Logistics Mobility Chief (MGySgt to GySgt) PMOS

a. Summary. The logistics/mobility chief coordinates, plans, conducts and supervises logistics, embarkation, and landing support operations throughout the Marine Corps. They are also responsible for unit level logistics and embarkation

training. They coordinate all combat logistics functions to deploy and sustain Marine combat forces of a MAGTF and its attached units. Logistics/mobility chiefs also serve as Combat Cargo Assistants (CCAs) onboard naval amphibious staffs and ships. They serve on General Officer staffs at the MEF, MARFOR, and HQMC level and conduct planning and execution of MAFTF deployments at the strategic level. Logistics/mobility chiefs articulate command strategic mobility requirements both present and future to appropriate agencies, such as; Headquarters Marine Corps, U.S. Transportation Command and her three Transportation Component Commands (TCCs); Surface Deployment Distribution Command, Military Sealift Command, and air Mobility Command. As the logistics/mobility chiefs' career progresses, they are assigned to Naval and Joint staffs as a liaison for the Marine Corps where they provide interface and address Marine Corps' mobility and lift requirements. They can also be assigned to serve with the TCCs as liaisons to convey the MAGTF commander's operational requirements to support unit moves at the operational/strategic level.

b. Requirements/Prerequisites

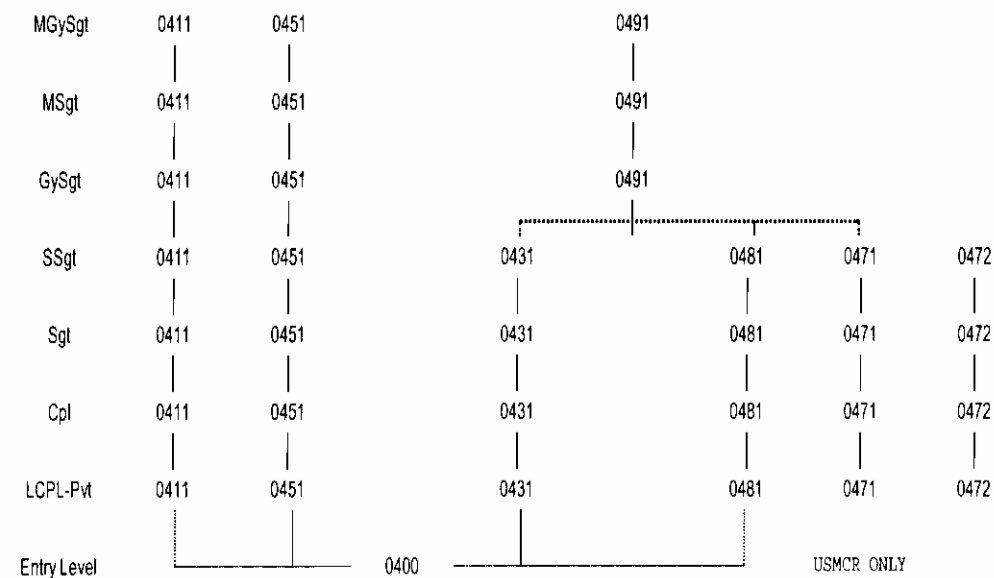
(1) Must have had previous duty as a 0431, or 0481.

(2) Complete the Advanced Logistics/Mobility Course, Logistics Operations School, Marine Corps Combat Service Support Schools, Camp Johnson/Camp Lejeune, NC, as a Staff Sergeant or Gunnery Sergeant.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.61, Individual Training Standards.

d. Related DOT Classification. Manager, Traffic 184.167-094.

f. Related Military Skill. Traffic Management Specialist, 3112.



Upon promotion to gunnery sergeant, MOS 0491 is conferred; MOSs 0431, 0471, and 0481 will be retained as additional MOSs.

<u>MOS</u>	<u>TITLE</u>
0400	Basic Logistics Marine (Basic MOS)
0411	Maintenance Management Specialist (PMOS)
0431	Logistics/Embarkation Specialist (PMOS)
0451	Airborne and Air Delivery Specialist (PMOS)
0471	Personnel Retrieval Processing Specialist (PMOS)
0472	Personnel Retrieval Processing Technician (FMOS)
0481	Landing Support Specialist (PMOS)
0491	Logistics/Mobility Chief (PMOS)

FIGURE 3-4.--Logistics Career Structure Chart

MOS 0411, Maintenance Management Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		MCI 04-14 Ground Maintenance Procedures for Supervisors MCI 04-16 Publications and Directives System MCI 01-31 Correspondence Procedures Natural/Roscoe Software Training MCI 13-42 Engineer Records and Forms MCI 30-12 Organic Supply Procedures MCI 30.20 Supply Management MCI 21.24 Armory Procedures MCI 35-24 Preventive Maintenance and Operating Techniques for Heavy Vehicles MCI 35-29 Preventive Maintenance and Operating Techniques for Light Vehicles MIMMS Supervisor Course	FMF Duty: MARFOR HQ/ Non-FMF Duty: HQMC, MCLB ALBANY MCCDC
MSgt			FMF Duty: MARFOR HQ/MEF/MAW/ Div HQ/Mt Bn/Maint Bn Non-FMF Duty: EWTGLANT/ MARCORSYSCOM/ MCLB Albany

GySgt/SSgt

FMF Duty:
All Staffs/Units &
MAGTFs
Non-FMF Duty:
I&I Duty/MCCDC/
MCLB Albany/
EWTGLANT/Blount
Island

Sgt-Pvt	Basic MIMMS Course	MCI 0410 10 MIMMS AIS (Basic MIMMS Course)	FMF Duty: All Levels/staffs/ Units/MAGTFs Non-FMF Duty: I&I Duty/MCCDC/ MCLB
		MCI 04.15 Validation and Reconciliation Clerk	

MOS 0431, Logistics/Embarkation Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt	Advanced Logistics/ Mobility Course	Ship Loading and Stowage Course	FMF Duty: Staffs/Units/ MAGTFs Non-FMF Duty: Amphib Ship/CCA/
	Air Mobility Command Affiliation Airlift Load Planner's Course	Air Movement Planning Course	
	Recertification in: (1) Defense Packaging of Hazardous Materials Course (USA) or (2) Transportation of Hazardous Material Course (USN) or (3) Hazardous Materials Preparer Course (USAF)	Strategic Deployment Planning Course Air Deployment Planning Course Unit Movement Officer Deployment Planning Course Maritime Pre-positioning Force Staff Planning Course	
	Inter-modal Dry Cargo Container Re-inspection Course		
	MCI 8100 Staff NCO Career Distance Education Program	Resident Staff NCO Academy Career Course MCI 8200 Staff NCO Advanced Distance Education Program	

FIGURE 3-4.--Logistics Career Structure Chart

Sgt-Cpl	Logistics/Embarkation NCO Course	Amphibious Ship Load Planners Course	FMF Duty: Staffs/Units/MAGTFs Non-FMF Duty: I&I Duty
	Air Mobility Command Affiliation Airlift Load Planners Course	Ship Loading and Stowage Course	
	Certification in:	Expeditionary Deployment Systems Course	
	(1) Defense Packaging of Hazardous Materials Course (USA) or	Air Deployment Planning Course	
	(2) Transportation of Hazardous Materials Course (USN) or	Unit Movement Officer Deployment Planning Course	
	(3) Hazardous Materials Preparer Course (USAF)	Command Sponsored Corporals Leadership Course	
	Inter-modal Dry Cargo Container Re-inspection Course	Resident Staff NCO Academy Sergeants Course	
	MCI 0033-Fundamentals Of Marine Corps Leadership	MCI 001 - Principles of Instruction for the Marine NCO	
	MCI 8010-Sergeants Distance Education Program	MCI 8100 - Staff NCO Career Distance Education Program	
		MCI 0112-Counseling for Marines	
LCpl-Pvt	Basic Logistics/ Embarkation Specialist Course	Air Movement Planning Course	FMF Duty: Staffs/Units/ MAGTFs Non-FMF Duty: None
		Air Mobility Command Affiliation Airlift Load Planners Course	
		Certification in:	
		(1) Defense Packaging of Hazardous Materials Course (USA) or	
		(2) Transportation of Hazardous Materials Course (USN) or	
		(3) Hazardous Materials Preparers Course	
		Course (USAF)	
		Command Sponsored Corporals Leadership Course	

MCI 0033 Fundamentals of
 Marine Corps Leadership
 MCI 001 - Principles of
 Instruction for the
 Marine NCO
 MCI 0112-Counseling for
 Marines
 MCI 0118-Spelling
 MCI 0119-Punctuation
 MCI 0131-Correspondence
 Procedures
 MCI 0201-Intelligence
 Brief-Southwest Asia
 MCI 0210-Terrorism
 Awareness for Marines
 MCI 045-The Logistics/
 Embarkation Specialist
 MCI 047-Introduction to
 Amphibious Embarkation
 MCI 0481-Landing Support
 Specialist
 MCI 0416-The Marine Corps
 Publications and
 Directives System
 MCI 1334- Math for Marines
 MCI 3420-Personal Financial
 Management

MOS 0451, Airborne and Air Delivery Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: None Non-FMF Duty: HQMC/Ft. Lee/ NavSafCtr
MSgt		1 st /MSgt Regional Seminar	FMF Duty: Force Recon/MLG Non-FMF Duty: Ft Lee/SYSCOM/ MARSOC

FIGURE 3-4.--Logistics Career Structure Chart

GySgt	Military Freefall Jumpmaster Course	Recertification in: (1) Defense Packaging of Hazardous Materials Course (USA or	FMF Duty: Force Recon/Recon Bn MLG
	Tandem Offset Re-supply Delivery System Course	(2) Transportation of Hazardous Materials Course (USN) or	Non-FMF Duty: MARSOC/SYSCOM/TECOM/ Ft Lee/EWTGLANT/ EWTGPac/I&I Duty
	MCI 8200-Staff NCO Advanced Distance Education Program	Hazardous Materials Preparer Course (USAF)	
		Resident Staff NCO Academy Advanced Course	
<hr/>			
SSgt	Military Freefall Parachutist Course	Military Freefall Jumpmaster Course	FMF Duty: Force Recon/MLG/Recon Bn/Radio Bn
	O2 Oxygen Course	Tandem Offset Resupply Delivery System Course	Non-FMF Duty: SYSCOM/Ft Lee/TECOM/ YUMA/Ft Benning/ I&I Duty
	Recertification in: (1) Defense Packaging of Hazardous Materials Course (USA) or	Resident Staff NCO Academy Career Course	
	(2) Transportation of Hazardous Materials (USN) Course or	MCI 8200-Staff NCO Advanced Distance Education Program	
	(3) Hazardous Materials Preparer Course (USAF)		
	MCI 8100-Staff NCO Officer Career Distance Education Program		
<hr/>			
SGT	Static Line Jumpmaster Course	Military Freefall Jumpmaster Course	FMF Duty: Force Recon/MLG Recon Bn/Radio Bn
	Helicopter Rope Suspension Training Course	Drop Zone Safety Team Leader Course	Non-FMF Duty: Ft Lee/MARSOC/ EWTGLant/EWTGPac/ I&I Duty
	Recertification in: (1) Defense Packaging of Hazardous Materials Course (USA) or	O2 Oxygen Course	
	(2) Transportation of Hazardous Materials Course (USN) or	Military Freefall Parachutist Course	
	(2) Hazardous Materials Preparer Course (USAF)	Drop Zone Safety Officer/Drop Zone Safety Team Leader Pathfinder Course	
		Pathfinder Course	

		Resident Staff NCO Academy Sergeants Course	
		MCI 8100-Staff NCO Officer Career Distance Education Program	
		MCI 8010-Sergeants Distance Education Program	
Cpl	Aircraft Load Inspector Course	Static Line Jumpmaster Course	FMF Duty: Recon Bn/Force Recon/ Radio Bn/MLG
	Recertification in: (1) Defense Packaging of Hazardous Materials Course (USA) or (2) Transportation of Hazardous Materials Course (USN) or (3) Hazardous Materials Preparer Course (USAF)	Helicopter Rope Suspension Training Course	Non-FMF Duty: MARSOC/EWTGLant/ EWTGPac/I&I Duty
	MCI 0033-Fundamentals of Marine Corps Leadership	Drop Zone Safety Team Leader Course	
		Pathfinder Course	
		Command Sponsored Corporals Leadership Course	
LCpl-Pvt	MIMMS Clerk Course	Certification in: (1) Defense Packaging of Hazardous Materials Course (USA) or (2) Transportation of Hazardous Materials Course (USN) or (3) Hazardous Materials Preparer Course (USAF)	FMF Duty: MLG/Recon Bn/ Radio Bn Non-FMF Duty: None
		Command Sponsored Corporals Leadership Course	
		MCI 0033 Fundamentals of Marine Corps Leadership	

FIGURE 3-4.--Logistics Career Structure Chart

MOS 0471, Personnel Retrieval and Processing Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt	Mortuary Affairs Course	Hazardous Material Re-certification	FMF DUTY Staffs/Unit/MAGTFs Non-FMF Duty: Amphib Ship/CCA/ Instructor School house
	Logistics/Embarkation SNCO/NCO Course	Air Force S&R Course	

MOS 0481, Landing Support Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt	Advanced Logistics/Mobility Course	Ship Loading and Stowage Course	FMF Duty: Spt Staff Non-FMF Duty: None
	Air Mobility Command Affiliation Airlift Load Planner's Course	Air Movement Planning Course	
	Recertification in: (1) Defense Packaging of Hazardous Materials Course (USA) or (2) Transportation of Hazardous Material Course (USN) or (3) Hazardous Materials Preparer Course (USAF)	Strategic Deployment Planning Course Air Deployment Planning Course Unit Movement Officer Deployment Planning Course	
	Inter-modal Dry Cargo Container Re-inspection Course	Maritime Prepositioning Force Staff Planning Course	
	MCI 8100 Staff NCO Career Distance Education Program	MCI 8200 Staff NCO Advanced Distance Education Program Resident Staff NCO Academy Career Course	
Sgt-Cpl	Landing Support NCO Course	Amphibious Ship Load Planner's Course	FMF Duty: Spt Bn Non-FMF Duty: None
	Air Mobility Command Affiliation Airlift Load Planners Course	Ship Loading and Stowage Course	

Certification in: (1) Defense Packaging of Hazardous Materials Course (USA) or (2) Transportation of Hazardous Materials Course (USN) or (3) Hazardous Materials Preparer Course (USAF)	Expeditionary Deployment Systems Course Air Movement Planning Course Air Deployment Planning Course Unit Movement Officer Deployment Planning Course	FMF Duty: Spt Bn Non-FMF Duty: None
Inter-modal Dry Cargo Container Re-inspection Course	Command Sponsored Corporals Leadership Course	
MCI 0033-Fundamentals of Marine Corps Leadership	Resident Staff NCO Academy Sergeants Course MCI 001-Principles of Instruction for the Marine NCO	
MCI 8010-Sergeants Distance Education Program	MCI 8100-Staff NCO Career Distance Education Program MCI 0112-Counseling for Marines	
LCpl-Pvt	Air Mobility Command Affiliation Airlift Load Planners Course	
	Certification in: (1) Defense Packaging Of Hazardous Materials Course (USA) or (2) Transportation of Hazardous Materials Course (USN) or (3) Hazardous Materials Preparer Course (USAF) Command Sponsored Corporals Leadership Course MCI 0033 Fundamentals of Marine Corps Leadership MCI 001 - Principles of Instruction for the Marine NCO MCI 0112-Counseling for Marines MCI 0118-Spelling MCI 0119-Punctuation MCI 0131-Correspondence	

FIGURE 3-4.--Logistics Career Structure Chart

Procedures
 MCI 0201-Intelligence
 Brief-Southwest Asia
 MCI 0210-Terrorism
 Awareness for Marines
 MCI 045-The Logistics/
 Embarkation Specialist
 MCI 047-Introduction to
 Amphibious Embarkation
 MCI 0481-Landing Support
 Specialist
 MCI 0416-The Marine Corps
 Publications and
 Directives System
 MCI 1334- Math for Marines
 MCI 3420-Personal Financial
 Management

MOS 0491, Logistics/Mobility Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Advanced Logistics Operations Course	FMF Duty: Div HQ/MAW/ MLG/MEF/ MARFOR HQ
		Marine Corps Logistics Education Program	Non-FMF Duty: ComNavSur CCA/ Joint Staff
		Joint Course on Logistics	
		Ship Loading and Stowage Course	
		Air Movement Planning Course	
		Advanced Air Mobility Operations Course	
		Strategic Deployment Planning Course	
		Air Deployment Planning Course	
		Unit Movement Officer Deployment Planning Course	
		Maritime Pre-positioning Force Staff Planning Course	

	MCI 8650-Expeditionary Warfare School Distance Education Program	
	SgtMaj/MGySgt Symposium	
	Logistics and Technology (LOGTECH) MBA Program	
<hr/>		
MSgt	Advanced Logistics Operations Course	FMF Duty: Div HQ/MAW/ MLG/MEF/ MARFOR HQ
	Marine Corps Logistics Education Program	Non-FMF Duty: ComNavSur CCA/ Joint Staff
	Joint Course on Logistics	
	Ship Loading and Stowage Course	
	Air Movement Planning Course	
	Advanced Air Mobility Operations Course	
	Strategic Deployment Planning Course	
	Air Deployment Planning Course	
	Unit Movement Officer Deployment Planning Course	
	Maritime Pre-positioning Force Staff Planning Course	
	Air Mobility Command Affiliation Airlift Load Planner's Course	
	Re-certification in: (1) Defense Packaging Of Hazardous Materials Course (USA) or (2) Transportation of Hazardous Materials Course (USN) or (3) Hazardous Materials Preparer Course (USAF)	

FIGURE 3-4.--Logistics Career Structure Chart

Inter-modal Dry Cargo
Re-inspection Course

MCI 8650-Expeditionary
Warfare School Distance
Education Program

1st Sgt/MSgt Regional
Seminar

Logistics and Technology
(LOGTECH) MBA Program

GySgt	Advanced Logistics/ Mobility Course	Tactical Logistics Operations Course	FMF Duty: Bn/Regt/Group
	Air Mobility Command Affiliation Airlift Load Planner's Course	Advanced Logistics Operations Course	Non-FMF Duty: PhibRon & Amphib Ship CCA/I&I Duty
	Recertification in: (1) Defense Packaging of Hazardous Materials Course (USA) or (2) Transportation of Hazardous Materials Course (USN) or (3) Hazardous Materials Preparer Course (USAF)	Marine Corps Logistics Education Program	
	Inter-modal Dry Cargo Container Re-inspection Course	Ship Loading and Stowage Course	
		Air Movement Planning Course	
		Advanced Air Mobility Operations Course	
		Strategic Deployment Planning Course	
	MCI 8200-Staff NCO Advanced Distance Education Program	Air Deployment Planning Course	
		Unit Movement Officer Deployment Planning Course	
		Maritime Pre-positioning Force Staff Planning Course	
		MCI 8650-Expeditionary Warfare School Distance Education Program	
		Resident Staff NCO Academy Advanced Course	
		Logistics and Technology (LOGTECH) MBA Program	

3110. OCCUPATIONAL FIELD 05, MARINE AIR GROUND TASK FORCE (MAGTF) PLANS

1. Introduction. The MAGTF plans OccFld encompasses the management of Time Phased Force Deployment Data (TPFDD) in support of Joint and MAGTF operations plans, and advising Joint and MAGTF staff plans officers on Joint and Marine Corps Force Deployment Planning and Execution (FDP&E) matters in the deliberate, time-sensitive, and crisis planning environments. This includes identification of force requirements and the refinement of force and movement data for plan execution, deployment, employment, mobilization, sustainment, and redeployment of forces. Formal schooling should encompass FDP&E related doctrine, policy, procedures, MAGTF and joint command relationships. MAGTF and Joint Operational Planning and Execution Systems (JOPES) training will be provided to Marines entering this OccFld. The enlisted personnel in this OccFld provide the technical, automated system, and advisory support to staff plans officers in the areas of force deployment planning and execution, requirements, force resources, plans analysis, report retrieval, force location, phasing data, and electronic conferencing. This involves data entry maintenance, and manipulation of force data requirements. The enlisted MAGTF planner assists in initiating force deployment planning plan validation, and import/export plans between the various force deployment planning tools. Enlisted plans specialists are assigned to the S-3 at the unit level and the G-3 Plans/G-5-staffs to support the many aspects of force deployment planning and execution. MAGTF planners are to be readily available to support component force, Joint Task Force (JTF), JOPES cells, and Unified Commander Joint Force Deployment Contingency Planning Staffs. Civil affairs noncommissioned officers perform civil-military assessments of the operational area and coordinate with a wide variety of civilian populations, organizations, and agencies.

2. MOS 0511, MAGTF Planning Specialist (MGySgt to Pvt) PMOS

a. Summary. The enlisted MAGTF planning specialist is responsible for functional support in the areas of FDP&E. Typical duties include updating plan and unit information to unit level detail for force deployment planning; operating and managing force deployment planning automated data processing tools; producing force reports; and properly formatting and forwarding electronic mail, files, and newsgroup message traffic.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 110 or higher.
- (2) Complete the MAGTF Plans Basic Course.
- (3) For lateral move into this OccFld, an interview and recommendation by an installation's senior MAGTF Planner is required.
- (4) Must be eligible for a top-secret security clearance.
- (5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.124, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Electronic Data Processing 012.167-066.
- (2) Computer Operator 213.362-010.

(3) Data Entry Clerk 203.582-054.

(4) Verifier Operator 203.582-070.

e. Related Military Skill

(1) Maintenance Management Specialist 0411.

(2) Embarkation Logistics and Combat Service Specialist, 0431.

3. MOS 0521, Psychological Operations Noncommissioned Officer (GySgt to Cpl) FMOS

a. Summary. Psychological operations noncommissioned officers perform various duties incident to planning psychological operations; preparing, producing, distributing and disseminating psychological operations material; and conducting psychological operations on the unit level.

b. Requirements/Prerequisites. Minimum of 6 months OJT in a psychological operations staff element and be recommended by the commanding officer.

c. Duties

(1) Plans and conducts psychological operations on the operating unit level.

(2) As a member of a psychological operations unit or staff element, plans, develops, produces, distributes, and disseminates propaganda materials.

(3) Supervises psychological operations conducted by subordinate and attached units.

(4) Maintains records, administers a psychological operations unit or staff element, and prepares reports.

(5) Applies doctrine and techniques for psychological operations.

d. Related Military Skill. No civilian equivalent.

4. MOS 0531, Civil Affairs Noncommissioned Officer (GySgt to Cpl) FMOS #

a. Summary. Civil affairs noncommissioned officers perform various duties incident to the planning, coordinating, and conducting civil-military operations. They support the operation of civil affairs planning and coordination centers. They perform civil-military assessments of the operational area and coordinate with a wide variety of civilian populations, organizations, and agencies. This MOS will be assigned as a FMOS only.

b. Requirements/Prerequisites

(1) A minimum of 6 months OJT and experience with a civil affairs group is preferred but is not mandatory.

(2) Must be trained in message preparation, handling, and processing.

(3) Must be trained in voice radio and message center procedures.

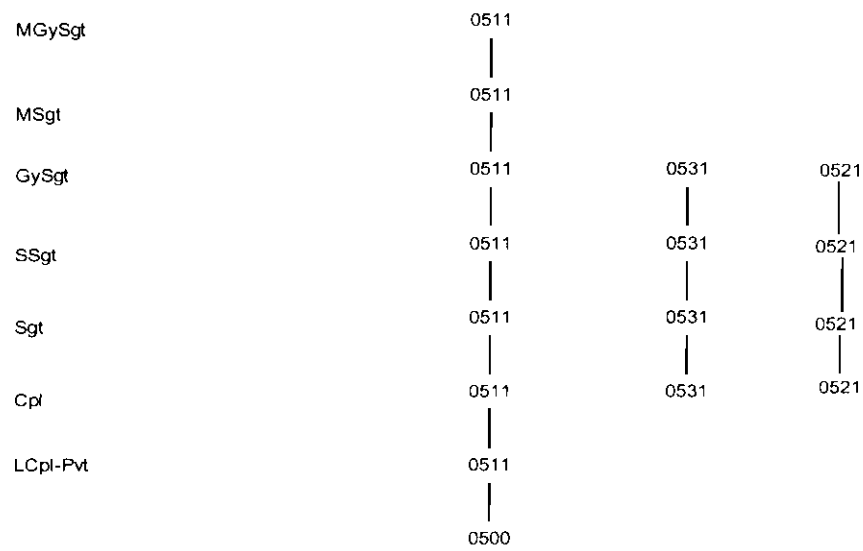
(4) Must be trained in basic administrative procedures.

(5) Must be recommended by the commanding officer.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.123, Individual Training Standards.

d. Related DOT Classification/DOT Code. No civilian equivalent.

MOS 0513 was redesignated as MOS 0531 effective 15 April 2003.



<u>MOS</u>	<u>TITLE</u>
0500	Basic MAGTF Plans Marine (Basic MOS)
0511	MAGTF Planning Specialist (PMOS)
0521	Psychological Operations Noncommissioned Officer (FMOS)
0531	Civil Affairs Noncommissioned Officer (EMOS)

FIGURE 3-5.--MARINE AIR GROUND TASK FORCE CAREER STRUCTURE CHART

MOS 0511, MAGTF Planning Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		JOPEs Executive Course	FMF Duty: MARFOR HQ
		JOPEs Action Officer Course	Non-FMF Duty: HQMC
MSgt		JOPEs Executive Course	FMF Duty: MARFOR HQ/MEF Non-FMF Duty: HQMC/Instructor
GySgt			FMF Duty: MARFOR HQ/MEF/Div/ MAW/FSSG Non-FMF Duty: Unified Commander Staff/JTF HQ/ Instructor/MCCDC
SSgt			FMF Duty: MARFOR HQ/MEF/ Div/MAW/FSSG/MEU Non-FMF Duty: JTF/HQMC/Instructor/ Base/Station
Sgt		JOPEs Specialty Course	FMF Duty: MARFOR HQ/MEF/ Div HQ/MAW/ FSSG/MEU Non-FMF Duty: Base/Station
Cpl		JOPEs Support Personnel Course	FMF Duty: MARFOR HQ/MEF/MEU/ Div HQ/MAW/FSSG Non-FMF Duty: None
LCpl/Pvt	MAGTF Planners Basic Course	JOPEs Support Personnel Course	FMF Duty: MARFOR HQ/MEF/ Div HQ/MAW/FSSG Non-FMF Duty: None

FIGURE 3-5.--MARINE AIR GROUND TASK FORCE CAREER STRUCTURE CHART

3111. OCCUPATIONAL FIELD 06, COMMUNICATIONS

1. Introduction. The communications occupational field includes the design, installation, interconnection, and operation of communication networks and information systems used to transmit information and data. Marines in this field operate and perform preventive maintenance on both hardware and software systems; including telephone, teletype, switching, radio, cryptographic, and computer systems, which are essential links in the overall functions of communication. They must have basic to advanced manual and language skills and must be able to master precise communication and computer procedures, as well as interact on a daily basis with users to solve communication systems challenges. Attention to detail and the ability to work closely with others are essential requirements. Eligibility for a security clearance is a requirement for some communication systems specialties. Marines entering Communications Systems are assigned MOS 0600, Basic Communications Systems Marine. They will participate in various communication systems functions while training for a designated MOS within the OccFld. Entry-level jobs include work as a field radio operator, wireman, multichannel equipment operator, satellite communications equipment operator, information systems specialist, data network systems specialist, and information assurance and information security technicians. The opportunity to participate in a formal apprenticeship program leading to receipt of a Department of Labor Certificate of Apprenticeship Completion may be available in some MOSs within OccFld 0600. Refer to MCO 1550.22 for specific information concerning this program. More detail information on tasks and training objectives can be found in MCO 1510.118, Individual Training Standards for Communications Systems, OccFld 06.

2. MOS 0612, Field Wireman (Sgt to Pvt) PMOS

a. Summary. Field wiremen are the foundation of wire communications in the Marine Corps. Personnel holding this designation construct, operate, and maintain wire networks to link key outposts, control points, and headquarters with reliable paths for the transmission of telephone, facsimile, and digital data messages. Typical duties of this MOS are installing telephones and switchboards, laying wire and cable, adjusting equipment for proper operation, recovering wire, locating wire system faults, and operating switchboards. Field wiremen may obtain the additional skill of pole climbing if deemed necessary to perform wire functions.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 90 or higher.
- (2) Complete the Field Wireman Course at MCCES 29 Palms, CA.
- (3) Must have normal color vision.
- (4) Must hold a confidential security clearance and be eligible for a secret security clearance.
- (5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Station Installer and Repairer 822.261-022.

(2) Line Installer-Repairer 822.381-014.

e. Related Military Skill. None.

3. MOS 0613, Construction Wireman (Sgt to Pvt) PMOS

a. Summary. A construction wireman is a Marine holding MOS 0613 performing duties in commercial cable, telephone installation and maintenance. Typical duties include integrating tactical telephone systems with host nation telephone systems, operating unique items of equipment for pole line construction (pole line trucks/series ditcher), mounting commercial hardware and emplacing conduit systems/commercial cable.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Complete the Communications Cable and Antenna Systems Apprentice Course at the Technical Training Center, Sheppard AFB, TX.

(3) Must have normal color vision.

(4) Must hold a confidential security clearance and be eligible for a secret security clearance.

(5) Must be a U.S. Citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification. Line Installer-Repairer 822.381-014.

4. MOS 0614, Unit Level Circuit Switch (ULCS) Operator/Maintainer (Sgt to Pvt) PMOS

a. Summary. Marines holding MOS 0614 operate and perform organizational maintenance on the Central Office AN/TTC-42. This switch is a computer-controlled node for multiple voice and digital data trunks/lines. Typical duties include installing and interconnecting equipment, performing limited technical control of the voice/data network, and updating the database or crypto keys to ensure reliable, secure telephone service for the user.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Must possess a secret security clearance based on a background investigation.

(3) Complete the ULCS Operator/Maintainer Course, at MCCES 29 Palms, CA.

(4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Station Installer and Repairer 822.261-022.

e. Related Military Skill. None.

5. MOS 0618, Electronic Switching Operator/Maintainer (DTC) (Sgt to Cpl) NMOS (0612, 0614)

a. Summary. The electronic switching operator/maintainer facilitates the installation, operation, restoration, and management of circuits and trunks within the Digital Technical Control (DTC) switchboard. The commercial switch will terminate Integrated Services Digital Network (ISDN), commercial Public Switched Telephone Network (PSTN), and Defense Switched Network (DSN) services, both loops and trunks; and will provide these services into the deployed switch network.

b. Requirements/Prerequisites

(1) Must possess MOS 0612 or MOS 0614.

(2) Complete the Electronic Switching Operator/Maintainer Course at MCCES 29 Palms, CA.

(3) Active duty must have two years of service remaining upon completion of training.

(4) Must possess a secret security clearance.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Station Installer and Repairer 822.261-022.

e. Related Military Skill. None.

6. MOS 0619, Wire Chief (GySgt to SSgt) PMOS

a. Summary. Wire chiefs supervise the installation, operation, and maintenance of field wire systems or outside plant facilities of a base telephone system. Wire chiefs develop a systems approach toward communications, understanding radio and data communication equipment capabilities and systems integration. Typical duties are preparation of circuit diagrams, line route maps, work schedules, switchboard programming, and instruction of wire personnel in wire systems techniques and telephone equipment employment.

b. Requirements/Prerequisites

(1) This MOS is awarded upon promotion to Staff Sergeant only to Marines holding MOS 0612, 0613, or 0614.

(2) Must be a U.S. citizen.

(3) Must have a secret security clearance.

(4) Upon promotion to Staff Sergeant, Marines holding MOS 0619 are expected to attend the Wire Chiefs Course conducted at MCCES 29 Palms, CA.

(5) Active duty Marines must have two years of active duty upon completion of training.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code

(1) Line Supervisor 822.131-018.

(2) Customer Facilities Supervisor 822.131-014.

e. Related Military Skill. None.

7. MOS 0621, Field Radio Operator (Sgt to Pvt) PMOS

a. Summary. Field radio operators identify personnel who employ radio to send and receive messages. Typical duties include the set up and tuning of radio equipment including antennas and power sources; establishing contact with distant stations; processing and logging of messages; making changes to frequencies or cryptographic codes; and maintaining equipment at the first echelon.

b. Requirements/Prerequisites

(1) Must possess an EL score of 90 or higher.

(2) Complete the Field Radio Operator Course at MCCES 29 Palms, CA.

(3) Must possess a valid state driver's license.

(4) Must be a U.S. citizen.

(5) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Radio/Telephone Operator 193.262-034.

e. Related Military Skill. Airborne Radio Operator/Loadmaster, 7382.

8. MOS 0622, Digital (Multi-channel) Wideband Transmission Equipment Operator (Sgt to Pvt) PMOS

a. Summary. The digital (multi-channel) Wideband transmission equipment operator identifies those Marines who are qualified to install, operate, and maintain at the first echelon, the multichannel media equipment and AN/MRC-142.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Complete Digital Multi-channel Wideband Transmission Equipment Operators Course at MCCES 29 Palms, CA.

(3) Must be a U.S. citizen.

(4) Must possess a valid state driver's license.

(5) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Antenna Installer 823.684-010.

e. Related Military Skill. Tropospheric Scatter Radio Multi-channel Equipment Operator, 6023.

9. MOS 0623, Tropospheric Scatter Radio Multi-channel Equipment Operator (Sgt to Pvt) PMOS

a. Summary. The tropospheric scatter radio multi-channel equipment operator MOS identifies Marines who are qualified to install, operate, and maintain at the first echelon multi-channel media equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Complete the Tropospheric Scatter Radio Multi-channel Equipment Operators Course.

(3) Must possess a valid state driver's license.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Antenna Installer, Satellite Communications 823.261-022.

e. Related Military Skill. Digital Multi-channel Wideband Transmission Equipment Operator, 0622.

10. MOS 0627, SHF Satellite Communications Operator-Maintainer (Sgt to Pvt) PMOS

a. Summary. The SHF satellite communications operator-maintainer PMOS identifies Marines who emplace, interconnect, energize, and verify the operation of SHF satellite terminal equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Complete Intro to SATCOM Operator Course, the Ground Mobile Forces SATCOM Operator Course, and the Lightweight Multi-band Satellite Terminal Operator-Maintainer Course at Ft. Gordon, GA.

(3) Must be a U.S. citizen.

(6) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Antenna Installer Satellite Communications 823.261-022.

Related Military Skill. None.

11. MOS 0628, EHF Satellite Communications Operator-Maintainer (Sgt to Pvt) PMOS

a. Summary. The EHF satellite communications operator-maintainer MOS identifies Marines who emplace, interconnect, energize, and verify the operation of EHF satellite terminal equipment (currently the SMART-T satellite system).

b. Requirements/Prerequisites

(1) Must possess an EL score of 100 or higher.

(2) Complete the Intro to SATCOM and the SMART-T Operator-Maintainer Course at Ft. Gordon, GA.

(3) Must be a U.S. citizen.

(4) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Antenna Installer Satellite Communication 823.261-022.

e. Related Military Skill. None.

12. MOS 0629, Radio Chief (GySgt to SSgt) PMOS

a. Summary. Radio chiefs supervise the installation and operation of fixed and field radio stations, microwave stations, and visual signaling stations. They prepare and execute radio communication plans vital to successful amphibious deployments with regard to highly mobile and reliable communications. Additionally, radio chiefs develop a systems approach toward communications, understanding wire and data communication equipment capabilities and systems integration.

b. Requirements/Prerequisites

(1) This MOS is awarded upon promotion to Staff Sergeant only to Marines holding MOS 0621, 0622, 0623, 0627, or 0628.

(2) Must be a U.S. citizen.

(3) Must have a secret security clearance

(4) Upon promotion to Staff Sergeant, Marines holding MOS 0629 are expected to attend the Radio Chiefs Course conducted at MCCES 29 Palms, CA.

(5) Active duty Marines must have two years of active duty upon completion of training.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Supervisor of Communications 184.167-230.

e. Related Military Skill. Wire Chief, 0619.

13. MOS 0648, Strategic Spectrum Manager (MGySgt to SSgt) NMOS (0619, 0629, 0699, 5939)

a. Summary. The primary purpose of the strategic spectrum manager is to manage the command's/activity's requirement, assignment, and use of radio frequencies. Radio frequency managers must be trained in fundamentals of spectrum analysis, in international/national/DoD allocation and assignment procedures, in the effects of EMC/EMI on the frequency spectrum, in terrain analysis, and in DoD/military service's spectrum management programs and systems. Radio frequency managers normally work under the cognizance of the G-6/CEO and must be knowledgeable of all organic equipment requiring the use of a radio frequency (tactical and commercial radios, radars, sensors, silent alarms, radio modems, etc.). The radio frequency manager must be capable of computing the command's/activity's need for radio frequencies and requesting the assignment of frequencies from the appropriate command or frequency management activity. They must be capable of preparing a radio frequency plan or spectrum management standard operating procedure to assure adequate assignment of radio frequencies and minimum interference among radio frequency users. This MOS will be assigned and voided only by authority of the CMC (MM) and assigned only to Marines holding MOS 0619, 0629, 0699, or 5939.

b. Requirements/Prerequisites

(1) Must have obtained the rank of staff sergeant or above.

(2) Complete the Electromagnetic Spectrum Management Course at the Technical Training Center, Keesler AFB, MS.

(3) Must have two years of active duty remaining upon completion of training.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

14. MOS 0651, Data Network Specialist (Sgt to Pvt) PMOS

a. Summary. Data network specialists are responsible for the installation, configuration, and management of data network systems in both a stand-alone and client-server environment, including MS Exchange, Defense Message Systems, and other authorized data network systems. They install, configure, and maintain network services, both hardware and software. They also plan and execute the integration of

multiple information systems in a network environment, evaluate and resolve customer information system problems, and effect required hardware upgrades and repair to maintain mission capability. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

- (1) Must possess a GT score of 110 or higher.
- (2) Complete the Data Network Specialist Course, MCCES 29 Palms, CA.
- (3) Active duty Marines must have two years of active duty upon completion of training.
- (4) Must have a secret security clearance.
- (5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Computer Peripheral Equipment Operator 213.382-010.
- (2) Computer Operator 213.362-010.

e. Related Military Skill. Special Intelligence Systems Administrator/Communicator, 2651.

15. MOS 0652, Certification Authority Workstation (CAW) Operator (Sgt to Cpl) NMOS (0651)

a. Summary. The CAW operator operates the Certificate of Authority Workstation (CAW) and performs all the certificate management functions necessary to create, distribute, and manage the X.509 Certificates on organizational and individual FORTEZZA Cards. This MOS will be voided only by authority of the CMC (MM or C4). This MOS is awarded to Marines holding PMOS 0651.

b. Requirements/Prerequisites

- (1) Must possess MOS 0651.
- (2) Must possess a secret security clearance and be eligible for a higher clearance level when required by billet assignment.
- (3) Must be a U.S. citizen.
- (4) Complete one of the following courses of instruction, or other approved course:
 - (a) I MEF CAW Administrators Course, Camp Pendleton, CA.
 - (b) II MEF CAW Administrators Course, Camp Lejeune, NC.
 - (c) III MEF CAW Administrators Course, Camp Courtney, Okinawa, Japan.

c. Duties

- (1) Generate, publish, and manage the X.509 Certificates on FORTEZZA Cards.
- (2) Create and post the Certificate Renovation List (CRL).
- (3) Securely distribute the user FORTEZZA Cards and PIN letters.
- (4) Access the X.509 Directory for, and distribute the Compromised Key List (CKL).
- (5) Maintain and inventory programmed and un-programmed FORTEZZA Cards.
- (6) Perform network configuration changes.
- (7) Recover from catastrophic system loss.
- (8) Assign security privileges and access controls of the CAW personnel.
- (9) Advise CA in accordance with DoD and NSA policies.

d. Related DOT Classification/DOT Code

- (1) Computer Peripheral Equipment Operator 213.382-010.
- (2) Computer Operator 213.362-010.

e. Related Military Skill

- (1) Data Network Specialist, 0651.
- (2) Information Security Technician, 0681.

16. MOS 0653, Defense Message System (DMS) Specialist (Sgt to Pvt) NMOS (0651)

a. Summary. Defense message system specialists work in local and area control centers (LCCs/ACCs) in the supporting establishment, and in messaging sections in operating forces units. They configure and operate DMS components and systems in order to ensure proper routing and delivery of message traffic both within and outside of the Marine Corps. They configure and maintain user unit accounts, monitor message and data routing and troubleshoot problems, and provide end user assistance as needed. This MOS is awarded to Marines holding PMOS 0651.

b. Requirements/Prerequisites

- (1) Must possess MOS 0651.
- (2) Complete the Defense Message System Course at MCCES, 29 Palms, CA.
- (3) Must possess a secret security clearance.
- (4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Telegraphic Typewriter Operator
203.582-050.

e. Related Military Skill

- (1) Data Network Specialist, 0651.
- (2) Data Systems Chief, 0659.
- (3) Special Intelligence Systems Administrator/Communicator, 2651.

17. MOS 0656, Tactical Network Specialist (Sgt to Pvt) PMOS

a. Summary. Tactical network specialists are responsible for installation, configuration, operation, and maintenance of networking systems. This includes installing and configuring hubs, routers, bridges, and various transmission media, installing and configuring server hardware and software, and coordinating with the information systems specialist to ensure the proper installation and configuration of workstation hardware and software to ensure efficient operation on the network. Tactical network specialists also install, optimize and troubleshoot Local Area and Wide Area Networks and operate the Tactical Data Network (TDN) server. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

- (1) Must possess a GT score of 110 or higher.
- (2) Complete the Tactical Network Specialist Course, MCCES 29 Palms, CA.
- (3) Active duty Marines must have two years of active duty upon completion of training.
- (4) Must have a secret security clearance.
- (5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Computer Peripheral Equipment Operator 213.382-010.
- (2) Computer Operator 213.362-010.

e. Related Military Skill. Special Intelligence Systems Administrator/Communicator, 2651.

18. MOS 0658, Tactical Data Network Gateway Systems Administrator (GySgt to Sgt) NMOS (0656, 0659)

a. Summary. The tactical data network gateway systems administrator will provide indepth tactical data network support to include, but not limited to, installing, configuring, and maintaining systems software, hardware, advanced LAN/WAN configuration, advanced communication planning, utilizing various tactical communication devices, and operating the Tactical Data Network Gateway. They will also execute network planning, network security plans, maintain patch panels, power

entry panels, signal entry panels and the configuration of routers, switches, various encryption devices, and network monitoring software. This MOS will be assigned and voided only by the CMC (MM).

b. Requirements/Prerequisites

- (1) Must possess MOS 0656 or MOS 0659.
- (2) Complete the Tactical Data Network Gateway Systems Administrator Course, MCCES 29 Palms, CA.
- (3) Active duty Marines must have two years of active duty upon completion of training.
- (4) Must possess a secret security clearance.
- (5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Computer-Peripheral-Equipment Operator 213.282-010.
- (2) Computer Operator 213.362-010.

c. Related Military Skill. Special Intelligence Systems Administrator/Communicator, 2651.

19. MOS 0659, Data Chief (GySgt to SSgt) PMOS

a. Summary. Data chiefs perform advanced systems installation, operation, integration, and troubleshooting in order to maintain optimum data communication systems operations. They plan and supervise the installation, configuration, and maintenance of all data communications systems and network services, including the Defense Message System (DMS), in both a garrison and deployed environment. Data chiefs plan and design Local Area and Wide Area Networks and link heterogeneous networks through the application of appropriate data and telecommunications hardware and software. They also develop and execute plans for tactical data communications systems and database integration in order to ensure these systems are properly integrated at all levels.

b. Requirements/Prerequisites

- (1) This MOS is awarded upon promotion to Staff Sergeant only to Marines holding MOS 0651, or 0656.
- (2) Must be a U.S. Citizen.
- (3) Must have a secret security clearance.
- (4) Upon promotion to Staff Sergeant, Marines holding MOS 0659 are expected to attend the Data Chiefs course conducted at MCCES 29 Palms, CA.
- (5) Active Duty Marines must have two years of active duty upon completion of training.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Supervisor, Computer Operations 213.132-010.
- (2) Network Control Operator 031.132-010.
- (3) Data Communication Analyst 031.262-010.

e. Related Military Skill

- (1) Data Network Specialist, 0651.
- (2) Tactical Network Specialist, 0656.

20. MOS 0681, Information Security Technician (MGySgt to SSgt) PMOS

a. Summary. Information security technicians serve as the primary functional proponent for cryptographic key management infrastructure. These Marines provide day-to-day operation of the Electronic Key Management System (EKMS), as well as other duty areas related to Information Security (INFOSEC), such as Public Key Infrastructure (PKI) and FORTEZZA Card management. Entry-level input to this MOS may be from any MOS at the grades of staff sergeant or gunnery sergeant. This MOS will be awarded by the CMC (C4) to Marines approved for lateral move and on completion of one of the listed approved courses in subparagraph b(3) below.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Must have attained the rank of staff sergeant or above.
- (3) Complete one of the following courses of instruction, or others approved per MS-21A:

- (a) I MEF EKMS Management Course, Camp Pendleton, CA.
- (b) II MEF EKMS Management Course, Camp Lejeune, NC.
- (c) III MEF EKMS Management Course, Camp Courtney, Okinawa, Japan.

(4) Active duty Marines must have 2 years of active duty remaining upon completion of training.

- (5) Must be a U.S. Citizen.
- (6) Must be eligible for a top-secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. Information Assurance Technician, 0689.

21. MOS 0689, Information Assurance Technician (MGySgt to Sgt) PMOS

a. Summary. Information assurance technicians are responsible for all aspects of ensuring Marine Corps information systems data availability, integrity authentication, confidentiality, and non-repudiation. Information assurance technicians implement and monitor security measures for USMC communication information systems networks, and advise the commander that systems and personnel adhere to established security standards and governmental requirements for security on these systems. Duties include assisting in the development and execution of security policies, plans, and procedures; design and implementation of data network security measures; network intrusion detections and forensics; information system security incident handling; and certification of Marine Corps systems and networks. Entry level input to this MOS will be in the grade of sergeant through staff sergeant only with a PMOS of 0651, 0656, or 0659 on second or subsequent enlistment.

b. Requirements/Prerequisites

- (1) Must possess MOS 0651, 0656 or 0659.
- (2) Must have attained the rank of sergeant or above.
- (3) Complete the Information Assurance Technician Course, MCCES 29 Palms, CA.
- (4) Active duty must have 2 years of active duty remaining upon graduation from training.
- (5) Must be a U.S. Citizen.
- (6) Must possess a secret security clearance and be eligible for a top-secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Computer Security Coordinator 033.162-010.
- (2) Computer Security Specialist 033.362-010.

e. Related Military Skill. Information Security Technician, 0681.

22. MOS 0699, Communications Chief (MGySgt to MSgt) PMOS

a. Summary. Communications chief, as senior communications noncommissioned officers, directly assist the cognizant communications systems officer. Even though qualified in a specific chief MOS in the Communications Systems Occupational Field, communications chiefs must have an overall knowledge of the equipment capabilities, system integration in MAGTF, and Joint networks of all elements of wire, radio, and data communications. They inspect communications units to determine equipment and operational readiness; and supervise personnel installing, operating, and maintaining communication, transmission, and data communication center facilities. They also have an overall knowledge of operations, budgeting, and administration in order to establish procedures and to assist with the direction and supervision of communication functions.

b. Requirements/Prerequisites

(1) This MOS is awarded upon promotion to Master Sergeant only to Marines holding MOS 0619, 0629, or 0659.

(2) Must be a U.S. citizen.

(3) Must have a secret security clearance.

(4) Upon promotion to Master Sergeant, Marines holding MOS 0699 are encouraged to attend the Communications Chief Course conducted at MCCES 29 Palms, CA.

(5) Active Duty Marines must have two years of active duty upon completion of training.

c. Duties. For a complete listing of duties and tasks, refer to NAVMC Directive 3500.106, Communications Training and Readiness Manual.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill

(1) Wire Chief, 0619.

(2) Radio Chief, 0629.

(3) Data Chief, 0659.

(4) Information Security Technician, 0681.

(5) Information Assurance Technician, 0689.

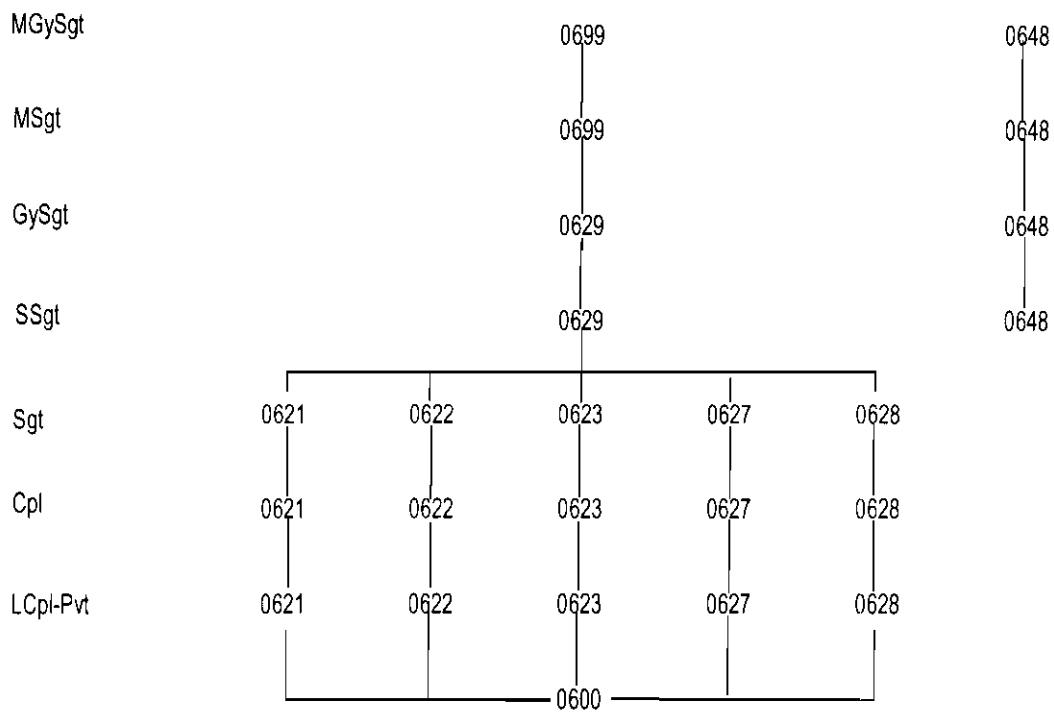
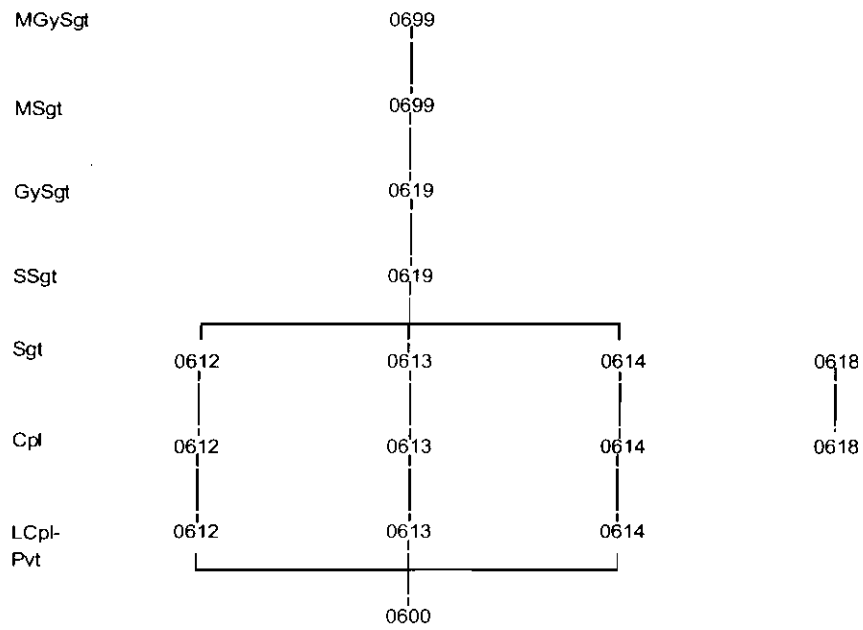
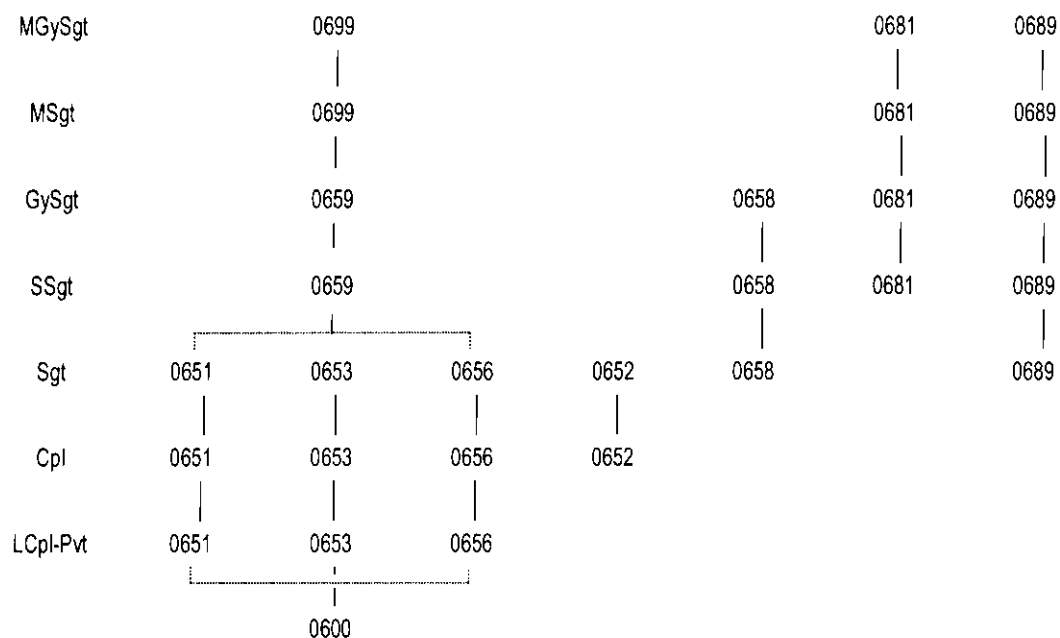


FIGURE 3-6.—Communications Career Structure Chart



<u>MOS</u>	<u>TITLE</u>
0600	Basic Communications Marine (Basic MOS)
0612	Field Wireman (PMOS)
0613	Construction Wireman (PMOS)
0614	Unit Level Circuit Switch (ULCS) Operator/Maintainer (PMOS)
0618	Electronic Switching Operator/Maintainer (NMOS)
0619	Wire Chief (PMOS)
0621	Field Radio Operator (PMOS)
0622	Digital (Multi-channel) Wideband Transmission Equipment Operator (PMOS)
0623	Tropospheric Scatter Radio Multi-channel Equipment Operator (PMOS)
0627	SHF Satellite Communications Operator-Maintainer (PMOS)
0628	EHF Satellite Communications Operator-Maintainer (PMOS)
0629	Radio Chief (PMOS)
0648	Strategic Spectrum Manager (NMOS)
0651	Data Network Specialist (PMOS)
0652	Certification Authority Workstation (CAW) Operator (NMOS)
0653	Defense Message System Specialist (NMOS)
0656	Tactical Network Specialist (PMOS)
0658	Tactical Data Network Gateway Systems Administrator (NMOS)
0659	Data Chief (PMOS)
0681	Information Security Technician (PMOS)
0689	Information Assurance Technician (PMOS)
0699	Communications Chief (PMOS)

FIGURE 3-6.--Communications Career Structure Chart

MOS 0612, Field Wireman (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Field Wireman Course		FMF Duty: Div Hq/MAW/MLG/ Comm Bn Non-FMF Duty: MCB/MCCDC/MCCES

MOS 0613, Construction Wireman (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Communications Cable and Antenna Systems Apprentice Course		FMF Duty: Div Hq/MAW/MLG/ Comm Bn Non-FMF Duty: MCB

0614, Unit Level Circuit Switch (ULCS) Operator/Maintainer (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	ULCS Operator/Maintainer Course		FMF Duty: Div HQ/MAW/MLG/ Comm Bn Non-FMF Duty: MCB/MCCDC/MCCES/ Joint

MOS 0618 Electronic Switching (DTC) Operator/Maintainer (NMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Cpl	DTC Operator/Maintainer Course		FMF Duty: MEF Hq/Div/MAW FSSG/Comm Bn Non-FMF Duty: Joint

FIGURE 3-6.—Communications Career Structure Chart

MOS 0619, Wire Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
GySgt-SSgt	Wire Chief Course		FMF Duty: Div Hq/MAW/MLG/ Comm Bn/Hq Non-FMF Duty: MCB/MCCDC/MCAGCC

MOS 0621, Field Radio Operator PMOS

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Field Radio Operator Course	Single Channel Radio Supervisor	FMF Duty: Div Hq/MAW/MLG/ Comm Bn/Hq Non-FMF Duty: MCB/MCCDC/MCCES

MOS 0622, Digital (Multi-channel) Wideband Transmission Equipment Operator (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Digital Multi-Channel Wideband Transmission Equipment Operator Course	Digital Multi-Channel Wideband Transmission Supervisor Course	FMF Duty: MAW/Com Bn/ Hq/Div/MLG Non-FMF Duty: MCB/MCCDC/MCAGCC

MOS 0623, Tropospheric Scatter Radio Multi-channel Equipment Operator (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Tropospheric Scatter Radio Multi-channel Equipment Operator Course	Tropospheric Scatter Radio Multi-channel Equipment Supervisor Course	FMF Duty: Hq/MAW/Comm Bn Non-FMF Duty: None

FIGURE 3-6.--Communications Career Structure Chart

MOS 0627, SHF Satellite Communications Operator-Maintainer (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Intro to SATCOM, GMF SATCOM Operator Course Lightweight Multi-band Satellite Terminal Operator Maintainer Course		FMF Duty: Comm Bn Non-FMF Duty: USA Signal School

MOS 0628 EHF Satellite Communications Operator-Maintainer (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Intro to SATCOM SMART-T Operator-Maintainer Course		FMF Duty: Div HQ/MAW/ Comm Bn Non-FMF Duty: USA Signal School

MOS 0629, Radio Chief

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
GySgt-SSgt	Radio Chief Course	MILSTAR Comm Planning Course	FMF Duty: Div Hq/MAW/MLG/ Comm Bn Non-FMF Duty: Joint Duty/MCCES/ MCCDC/MAGCC

MOS 0648, Strategic Spectrum Manager (NMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MSgt-SSgt	Electromagnetic Spectrum Management Course		FMF Duty: MARFOR-MSc's/ HQ/HQMC Non-FMF Duty: Joint/Inst Duty

FIGURE 3-6.—Communications Career Structure Chart

MOS 0651, Data Network Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Data Network Specialist Course	Data Systems Supervisor Course	FMF Duty: Div/Hq/MAW/ MLG/Comm Bn Non-FMF Duty: Joint/MCCES/ HQMC/MCB

MOS 0652 Certification Authority Workstation (CAW Operator (GySgt to Cpl) (FMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Cpl	CAW Administrator Course		FMF Duty: Div/MAW/Comm Bn Non-FMF Duty: MCB

MOS 0653, Defense Message System Specialist (NMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Defense Message System Course		FMF Duty: Div/Hq/MAW/ MLG/Comm Bn Non-FMF Duty: Joint Staff/ HQMC/MCB

MOS 0656, Tactical Network Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt-Pvt	Tactical Network Specialist Course	TDN Operator Specialist Course	FMF Duty: Div/Hq/MAW/ MLG/Comm Bn Non-FMF Duty: MCCES/HQMC/MCB

FIGURE 3-6.--Communications Career Structure Chart

MOS 0658, Tactical Data Network Gateway Systems Administrator (NMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
GySgt-Sgt	Gateway Systems Administrator Course		FMF Duty: Div/Hq/MAW/ MLG/Comm Bn Non-FMF Duty: None

MOS 0659, Data Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
GySgt-SSgt	Data Chiefs Course		FMF Duty: Div/Hq/MAW/ MLG/Comm Bn Non-FMF Duty: MCCES/HQMC/MCB

MOS 0681, Information Security Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt-SSgt	Electronic Key Systems Management Course		FMF Duty: Div/HQ/MAW/MLG Non-FMF duty: Joint/HQMC/ MCB

MOS 0689, Information Assurance Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt-Sgt	Information Assurance Technician Course		FMF Duty: Div/HQ/MAW/MLG Non-FMF Duty: Joint/ HQMC/MCB

FIGURE 3-6.—Communications Career Structure Chart

MOS 0699, Communications Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt-MSgt	C4 Planners Course	Advanced Communication Information Systems	FMF Duty: HQ/MAW/MLG/Div
		Joint C4 Planners Course	Non-FMF Duty: Joint/HQMC/ MCB/MCCES

FIGURE 3-6.--Communications Career Structure Chart

3112. OCCUPATIONAL FIELD 08, FIELD ARTILLERY

1. Introduction. The field artillery OccFld is divided among three functional areas: firing battery, field artillery operations, and field artillery observation/liaison. Qualifications include ability and learned skills to operate and maintain artillery equipment; basic technical and mathematical skills for computing, communicating, and executing fire commands; ability and attitudes supporting life and close work with others in a field environment; and performing duties involving hard technical skills as well as administrative and managerial skills. The duties that must be learned vary by functional area. Firing battery includes moving, emplacing, loading, firing, protecting, and maintaining field artillery cannon weapons systems. Field artillery operations involve moving, emplacing, operating, protecting, and maintaining equipment which acquires targets; provides, relates, and evaluates gun and target survey information, meteorological data, weapon system performance; and integrating these factors into orders and communicating these orders to the firing battery. Field artillery observation and liaison include checking and analyzing combat plans and communicating appropriate advice, planning and operating information to coordinate the fires of field artillery and naval guns with infantry and armor combat maneuvers; observing and reporting targets and other battlefield information; and adjusting observed fires on targets. Types of entry-level jobs include work as field artillery batteryman or cannoneer, radar operator, fire control man, meteorological man and, as a fire support man, spotting fires of artillery and naval gunfire. Formal schooling or field skills training is provided to Marines entering the OccFld. Because field artillery is the primary supporting arm for Marine Infantry and Armor, most of its billets are in FMF ground organizations. The Marine artilleryman finds most assignment opportunities similar to the wide variety of billets available to those in other combat and combat support fields at all staff levels of the division and in various free billets. Marines entering this OccFld receive MOS 0800, Basic Field Artillery Man, and under instruction and close supervision, perform routine duties incident to the firing, operation, and maintenance of field artillery pieces and related equipment. These Marines are trained for one of the MOSs in the field artillery OccFld and participate in routine functioning and tactical employment of the unit to which attached.

2. MOS 0811, Field Artillery Cannoneer (MGySgt to Pvt) PMOS

a. Summary. As a member of a field artillery howitzer battery, cannoneers prepare artillery pieces and equipment for movement, combat, and firing. They inspect and prepare ammunition for firing, and perform the various jobs incident to firing such as, laying for elevation and deflection, loading the piece, and handling ammunition. Field artillery cannoneers perform preventive maintenance and clean artillery pieces and equipment. They make routine tests and authorize repairs to equipment. Camouflage position, protect equipment from chemical warfare agents, and construct field fortifications.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Complete the USMC Cannon Crewman Course and demonstrate qualification through performance for MOS 0811; or completion of the appropriate MCI courses and demonstrate qualification through MOJT.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code

(1) Field Artillery Crewmember 378.684-018.

(2) Field Artillery Senior Sergeant 378.132-010.

e. Related Military Skill. None.

3. MOS 0814, High Mobility Artillery Rocket System (HIMARS) Operator (MGySgt to Pvt) NMOS (0811)

a. Summary. As a member of a HIMARS battery, operators prepare the HIMARS for movement, combat, and firing. They inspect and prepare the launcher system for employment to include movement to and from concealment positions and firing positions, operate the fire control systems, and handle multiple launch rocket system (MLRS) family of munitions (MFOM). HIMARS operators perform preventative maintenance and clean system components. They make routine tests and authorized repairs to HIMARS. They provide security, camouflage positions, and protect HIMARS from chemical warfare agents. This MOS will be assigned by the CMC (MM).

b. Requirements/Prerequisites

(1) Must be assigned the primary MOS 0811 through either completing the USMC Cannon Crewman Course or completion of the appropriate MCI courses and demonstrate qualification through MOJT.

(2) Complete the HIMARS Operator Course and demonstrate qualification through performance for MOS 0814; or demonstrated qualification through MOJT.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

4. MOS 0842, Field Artillery Radar Operator (Sgt to Pvt) PMOS

a. Summary. Field artillery radar operators perform the entire duties incident to installation, orientation, and operation of field artillery radar equipment. They prepare the radar equipment, power generator and associated equipment for movement and operation, lay communications wire, install and operate field telephones, perform preventive maintenance, construct field fortifications, and camouflage and protect the equipment position. Upon promotion to staff sergeant and appropriate formal schooling, the 0842 will be designated MOS 0848.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Complete the Field Artillery Firefinder Radar Operator Course.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) This MOS will be retained as an additional MOS upon promotion to staff sergeant in MOS 0848.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Ground Radar Repairer, 2884.

5. MOS 0844, Field Artillery Fire Control Man (Sgt to Pvt) PMOS

a. Summary. Field artillery fire control men perform duties essential to the delivery of accurate artillery fire to include position survey and fire direction computation. Typical duties include preparation of fire control equipment for movement and operation, performance of detailed survey operations, performance of preventive maintenance, routine testing, authorized minor repairs to survey and fire control equipment, and operation of field communications equipment. Fire control computation includes the use of computer equipment systems, plotting survey data on firing charts, determination of target coordinates, and the conversion to target coordinates and observer's reports into firing data and commands. MOS 0844 is assigned upon completion of formal school. Upon promotion to staff sergeant and the appropriate formal school, the 0844 will be designated MOS 0848.

b. Requirements/Prerequisites

(1) Must possess a GT score of 105 or higher.

(2) Complete the Field Artillery Fire Control Man Course.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) This MOS will be retained as an additional MOS upon promotion to staff sergeant in MOS 0848.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code. Field Artillery Operations Specialist 378.367-014.

6. MOS 0847, Artillery Meteorological Man (Sgt to Pvt) PMOS

a. Summary. Artillery meteorological men assist in the delivery of accurate artillery fire by observing weather conditions and computing and distributing weather data for use in field artillery fire control. Duties include preparing weather observation equipment such as theodolites, anemometers, anemoscopes, and plotting boards for movement and operations; taking readings of atmospheric pressure, temperature, humidity and barometric changes; calculating wind direction and velocity; obtaining readings at various altitudes by pilot balloon soundings; and using all data to compute, prepare, and transmit meteorological messages for the use of field artillery units. Other duties include performing preventive maintenance and making routine tests and authorized minor repairs to instruments and equipment. Upon promotion to staff sergeant, and completion of formal schooling, MOS 0847 will be redesignated as MOS 0848.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 105 or higher.
- (2) Complete the Field Artillery Meteorological Crewman Course, Ft Sill, OK.
- (3) Must be a U.S. Citizen.
- (4) This MOS will be retained as an additional MOS upon promotion to staff sergeant and assumption of PMOS 0848.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code. Weather Observer 025.267-014.

e. Related Military Skill. Weather Observer, 6821.

7. MOS 0848, Field Artillery Operations Man (MGySgt to SSgt) PMOS

a. Summary. Field artillery operations men perform the various duties associated with the operation of a field artillery and mortar fire direction center; operations or training section; survey section; meteorological section; or target acquisition radar section. Duties include preparing personnel and equipment for movement and operation; assisting in location of fire direction center or target acquisition radar in the field; maintaining a situation map, operations journal, and survey records; performing duties incident to the preparation, reproduction, and distribution of operations orders, training orders, memoranda, schedules, status reports, and S-3 periodic reports; preparing operations maps and overlays; assisting in the establishment and operation of artillery meteorological stations, direct atmospheric meteorological observation interpreting, evaluating and distributing atmospheric data; performing duties incident to execution of survey plans essential to proper employment of field artillery; assisting in installation, orientation, operation, and maintaining target acquisition radar equipment; and training personnel in radar, meteorological, survey, and fire direction procedures.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 105 or higher.
- (2) Complete the Marine Artillery Operations Chief Course, Ft. Sill, OK and qualify in MOS 0842, 0844, or 0847.
- (3) Must have a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code. Field Artillery Senior Sergeant.

e. Related Military Skill

- (1) Fire Support Man, 0861.
- (2) Ground Operations Specialist, 8711.

8. MOS 0861, Fire Support Man (MGySgt to Pvt) PMOS

a. Summary. Fire support men perform duties incident to the observation, conduct, and control of artillery and naval gunfire. These duties include calling for, observing and adjusting artillery and NSFS, employment of laser designators/range finders, employment of radar beacons for NSFS support ships and coordination of fire support assets to include mortars, rockets, artillery, NSFS and CAS/CIFS.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Complete the Marine Artillery Scout Observer Course, Ft Sill, OK.
- (3) Must have normal color vision, and vision correctable to 20/20.
- (4) Must have a secret security clearance.
- (5) Complete the Fire Support Man Course, EWTGPAC, Coronado, CA.
- (6) Must be a U.S. citizen.

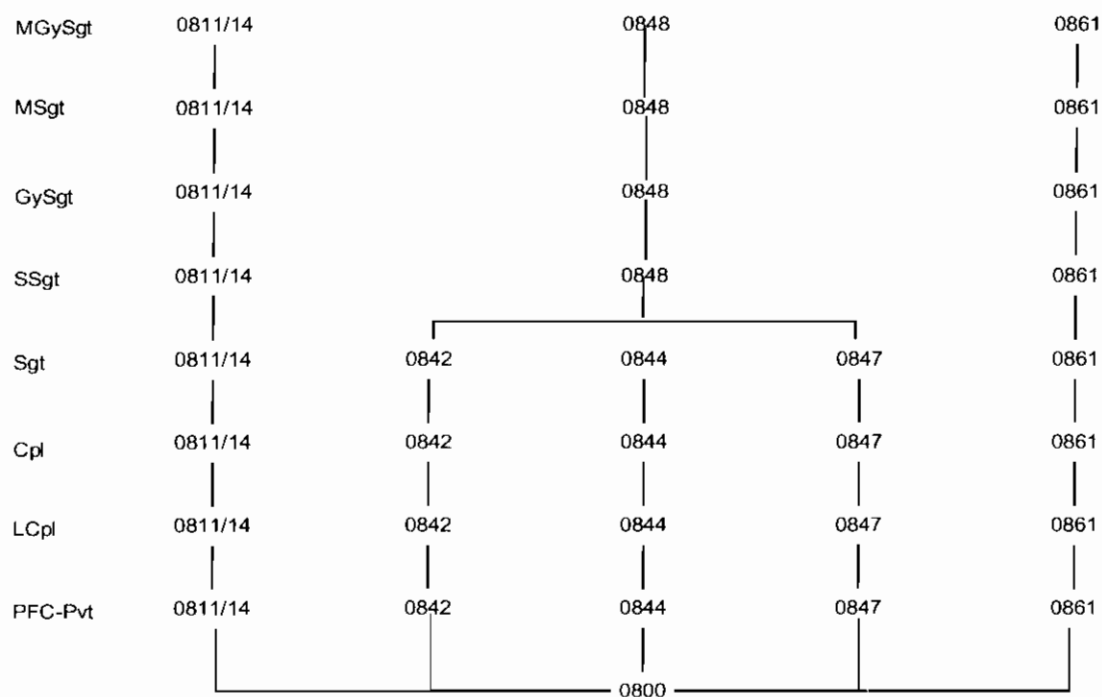
c. Duties. For a complete listing of duties and tasks, refer to MCO 3501.26A, Artillery Unit Training & Readiness (T&R) Manual.

d. Related DOT Classification/DOT Code

- (1) Artillery or Naval Gunfire Observer 378.367-010.
- (2) Field Artillery Senior Sergeant 378.132-010.

e. Related Military Skill

- (1) Field Artillery Radar Operator, 0842.
- (2) Field Artillery Fire Control Man, 0844.



MOS TITLE

0800 Basic Field Artillery Man (Basic MOS)
 0811 Field Artillery Cannoneer (PMOS)
 0814 High Mobility Artillery Rocket System (HIMARS) Operator (NMOS)
 0842 Field Artillery Radar Operator (PMOS)
 0844 Field Artillery Fire Control Man (PMOS)
 0847 Artillery Meteorological Man (PMOS)
 0848 Field Artillery Operations Man (PMOS)
 0861 Fire Support Man (PMOS)

FIGURE 3-7.--Field Artillery Career Structure Chart

MOS 0811, Field Artillery Cannoneer (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: Arty Regt Non-FMF Duty: Ft Sill
MSgt			FMF Duty: Arty Bn Non-FMF Duty: I&I Staff
GySgt			FMF Duty: Arty Bn/Btry Non-FMF Duty: Ft Sill/TBS/RCTG/ MCRD/I&I Staff/ MCI/HQMC/MTN Warfare Trng
SSgt			FMF Duty: Arty Btry Non-FMF Duty: Ft Sill/TBS/RCTG/ MCRD
Sgt			FMF Duty: Arty Regt/Btry Non-FMF Duty: Ft Sill/TBS/RCTG/ MCRD/MB GITMO/MCB Camp Pendleton
Cpl			FMF Duty: Arty Btry Non-FMF Duty: Ft Sill/TBS/ RCTG/MCRD
LCpl-Pvt	USMC Cannon Crewman Course		FMF Duty: Arty Btry Non-FMF Duty: TBS

FIGURE 3-7.--Field Artillery Career Structure Chart

MOS 0842, Field Artillery Radar Operator (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt		Field Artillery Surveyor Course	FMF Duty: Arty Regt Non-FMF Duty: Ft Sill/I&I Staff
Cpl			FMF Duty: Arty Regt Non-FMF Duty: None
LCpl-Pvt	Field Artillery Fire-finder Radar Operators Course		FMF Duty Arty Regt Non-FMF Duty: None

MOS 0844 Field Artillery Fire Control Man (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt		Field Artillery Surveyor Course	FMF Duty: Arty Btry/Bn/Regt Non-FMF Duty: TBS/RCTG/MCRD/ I&I Staff/MSG
Cpl			FMF Duty: Arty Btry/Bn/Regt Non-FMF Duty: TBS/MSG
LCpl-Pvt	Field Artillery Fire Control Man Course		FMF Duty: Arty Btry/Bn/Regt Non-FMF Duty: TBS/Camp Fuji

FIGURE 3-7.--Field Artillery Career Structure Chart

MOS 0847, Field Artillery Meteorological Man (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
Sgt		Field Artillery Surveyor Course	FMF Duty: Arty Regt Non-FMF Duty: Ft Sill/I&I Staff
Cpl			FMF Duty: Arty Regt Non-FMF Duty: None
LCpl-Pvt	Field Artillery Meteorological Crewman Course		FMF Duty: Arty Regt Non-FMF Duty: None

MOS 0848, Field Artillery Operations Man (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: Arty Regt Non-FMF Duty: MARCORSYSCOM/ MCAGCC/29 PALMS/ I&I Staff
MSgt			FMF Duty: Arty Regt/Bn Non-FMF Duty: MB Hawaii/I&I Staff
GySgt			FMF Duty: Arty Regt/Bn/ Inf Bn Non-FMF Duty: MARCORSYSCOM/ MCI/HQMC/ MB GITMO/Ft Sill/MSG/ RCTG/MCRD/ MCTS SA/Camp Fuji/MCAGCC/ 29 Palms/ I&I Staff

FIGURE 3-7.--Field Artillery Career Structure Chart

SSgt	Field Artillery Operations Chief Course	FMF Duty: Arty Btry/Bn/Regt Non-FMF Duty: Ft Sill/MSG/RCTG/ MCRD/TBS/MCB Camp Pend/I&I Staff
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MOS 0861, Fire Support Man (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: MEF Non-FMF Duty: None
MSgt			FMF Duty: Arty Regt/MEF/Div HQ/MLE Non-FMF Duty: I&I Staff
GySgt			FMF Duty: Arty Regt/Bn/MEF/ MLE Non-FMF Duty: I&I Staff/RCTG/ MCRD/MSG/Ft Sill/ Quantico
SSgt			FMF Duty: Arty Regt/Bn/Btry/ MEF/MLE Non-FMF Duty: RCTG/MCRD/MSG
Sgt		Marine Corps Field Artillery Fire Support Chiefs Course	FMF Duty: Arty Regt/Bn/MEF/ MLE Non-FMF Duty: RCTG/MCRD/MSG
Cpl			FMF Duty: Arty Regt/Bn/MEF/ MLE/Bn Non-FMF Duty: Ft Sill

FIGURE 3-7.--Field Artillery Career Structure Chart

LCpl-Pvt	Marine Artillery	FMF Duty:
	Scout Observer	Arty Regt/Bn/Btry
		MEF/MLE
	Fire Support Man	Non-FMF Duty:
	Course	None

FIGURE 3-7.--Field Artillery Career Structure Chart

3113. OCCUPATIONAL FIELD 09, TRAINING

1. Introduction. Occupational Field 09, Training, comprises MOSs used to identify Marines who possess skill sets to conduct vital training, particularly to entry-level Marines, as required by various high visibility Marine Corps programs. First exposure to Marine Corps training is provided by the drill instructor. Next contact is with the marksmanship coaches and instructors overseen by a range officer, swim instructors, martial arts instructors, and then Marine combat instructors. In the operating forces, training continues with the addition of small weapons instructors and martial arts instructor-trainers. These MOSs are sponsored by the Training and Education Command.

2. MOS 0911, Drill Instructor (SgtMaj/MGySgt to Sgt) FMOS

a. Summary. Drill instructors supervise and instruct or assist in commanding and instructing a recruit platoon.

b. Requirements/Prerequisites

(1) Must meet the prerequisites prescribed in MCO 1100.76.

(2) At the master sergeant to sergeant level, complete Drill Instructor School.

(3) Once voided, this MOS may not be reassigned without prior approval from the CMC (MM).

a. Duties

(1) SgtMaj/MGySgt to Sgt:

(a) Conducts recruit training for newly enlisted personnel following the recruit training schedules and orders.

(b) Instructs and assists in training basic combat tasks to recruits.

(c) Trains recruits in the fundamentals of service life and the development in the recruit of discipline, physical fitness, pride, and love of the Marine Corps and country.

(d) Trains recruits in close order drill.

(e) Instructs in nomenclature, disassembly, assembly, and functioning of small arms and assists in marksmanship instruction.

(f) Instructs in general orders for sentinels, interior guard duty, personal hygiene, first aid, military bearing and neatness, and care of clothing and equipment.

(g) Lectures on Marine Corps history and tradition, customs of the service, military courtesy, and U.S. Navy Regulations.

(h) Assists in conduct of parades, reviews, and bayonet drill.

(i) Maintains records and prepares reports.

d. Related DOT Classification/DOT Code. Recruit Instructor 378.227-014.

e. Related Military Skill. Marksmanship Instructor, 0931.

3. MOS 0913, Marine Combat Instructor (GySgt to Cpl) EMOS (0311, 0331, 0341, 0352, 0369, 5711)

a. Summary. The Marine combat instructor instructs and assists in the training of basic combat skills to entry level Marines to include: weapons handling, automatic weapons, munitions, combat conditioning, land navigation, communications, NBC protection, offensive/defensive tactics and scouting/patrolling. The Marine combat instructor reinforces core values instilled in recruit training by setting the superior example with professional conduct, knowledge, bearing and attitude, provides student performance counseling, assists in the conduct of parades and ceremonies, and maintains records and prepares reports.

b. Requirements/Prerequisites

- (1) Must meet the prerequisites prescribed in MCO 1510.XX.
- (2) Must meet the standards screening checklist of special assignments per MCO 13XX.
- (3) Must meet Marine Corps height, weight, and body fat standards.
- (4) Must be able to pass the Marine Corps Physical Fitness Test.
- (5) Must be tan belt certified in the Marine Corps Martial Arts Program.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.XX, Individual Training Standards.

d. DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

4. MOS 0916, Martial Arts Instructor (MGySgt to Cpl) FMOS

a. Summary. Martial arts instructors conduct training in principles of close combat and core values.

b. Requirements/Prerequisites

- (1) Must be a corporal or above.
- (2) Must qualify first class on the PFT.
- (3) Must be certified as gray belt or above.
- (4) No surgeries/broken bones in the past 6 months.
- (5) Must complete the appropriate level PME for the grade.
- (6) Must have recommendation of reporting senior.
- (7) Successful completion of the CG TRNGCOM approved Martial Arts Instructor Course.

a. Duties

(1) Trains and certifies personnel in MBST for martial arts from tan through gray belt techniques.

(2) Assists martial arts instructor trainers in certifying and recertifying Martial Arts Instructors.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Martial Arts Instructor-Trainer, 0917.

5. MOS 0917, Martial Arts Instructor-Trainer (MGySgt to Sgt) FMOS

a. Summary. Martial Arts instructor-trainers train and certify martial arts instructors. Additionally, they provide instruction to all personnel in hand-held weapons, unarmed against hand-held weapons, weapons of opportunity, ground fighting, firearm disarmament, and principles of core values.

b. Requirements/Prerequisites

(1) Must be sergeant or above.

(2) Must qualify first class on the PFT.

(3) Must have a minimum of six months as a certified Martial Arts Instructor (MOS 8551) prior to attendance to the Martial Arts Instructor Training Course at The Basic School.

(4) Must be certified as a green belt or above in the MCMAP.

(5) No surgeries/broken bones in past 6 months.

(6) Must have completed the appropriate level PME for the grade.

(7) Must have recommendation of reporting senior.

(8) Successful completion of the Martial Arts Instructor-Trainer Course at TBS Quantico, VA.

a. Duties

(1) Trains personnel in martial arts techniques from tan through 1st degree black belt and certifies through brown belt levels.

(2) Trains, certifies, and recertifies martial arts instructors under the CG, TRNGCOM approved Martial Arts Instructor Program of Instruction for Martial Arts Instructors.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. Martial Arts Instructor, 0916.

6. MOS 0918, Water Safety/Survival Instructor (MGySgt to Pvt) FMOS

a. Summary. Water Safety/Survival Instructors supervise and conduct water safety and survival programs and instruct personnel in the techniques and methodology of water safety and survival.

b. Requirements/Prerequisites

(1) Complete a Marine Corps or other approved water safety/survival instructor course.

(2) Demonstrates current proficiency in the MOS.

c. Duties

(1) Plans, conducts, and supervises training and testing in water safety and survival.

(2) Conducts or assists in conducting water safety and survival courses.

d. Related DOT Classification/DOT Code. Instructor, Sports 153.227-018.

e. Related Military Skill. Combatant Diver Marine, 8023.

7. MOS 0931, Marksmanship Instructor (MGySgt to Sgt) FMOS *

a. Summary. Marksmanship Instructors instruct in all phases of the Marine Corps Marksmanship Program on the qualification and requalification on small arms ranges. Additionally, they assist in the operation of firing ranges. This MOS may be assigned to a Marine or used as a billet designator.

b. Requirements/Prerequisites

(1) Must have previously held MOS 0933.

(2) Must be qualified on the service rifle and pistol.

(3) Complete the Marksmanship Instructor Course (MIC) Program of Instruction as prescribed by CG MCCDC (C 468).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.84A, Individual Training Standards.

d. Related DOT Classification/DOT Code. Marksmanship Instructor 378.227-010.

e. Related Military Skill

(1) Marksmanship Instructor, 0931.

(2) Small Arms Weapons Instructor, 0932.

8. MOS 0932, Small Arms Weapons Instructor (MGySgt to Sgt) EMOS (0321)

a. Summary. Small arms weapons instructor conducts all phases of the Marine Corps Marksmanship training. They develop comprehensive marksmanship training plan based on commander's guidance. They conduct and supervise all small arms marksmanship-training evolutions in support of unit mission. This MOS may be assigned to a Marine or used as a billet designator.

b. Requirements/Prerequisites

(1) Must possess MOS 0933, Marksmanship Coach.

(2) Must be Sergeant through Gunnery Sergeant.

- (3) Must have met the MCCA standard for Land Navigation.
- (4) Must have a minimum of six years TIS upon reporting for instruction.
- (5) Must have a minimum of one year remaining to EAS upon completion of course.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.84A, Individual Training Standards.

d. Related DOT Classification/DOT Code. Marksmanship Instructor 378.277-010.

e. Related Military Skill

- (1) Infantry Unit Leader, 0369.
- (2) Infantry Weapons Officer, 0306.
- (3) Range Officer, 0130.
- (4) Marksmanship Instructor, 0931.

9. MOS 0933, Marksmanship Coach (Sgt to PFC) FMOS

a. Summary. Marksmanship coaches analyze difficulties of shooters during dry and live fire exercises in all phases of the Marine Corps Marksmanship Program during qualification and re-qualification. Additionally, they assist in the operation of firing ranges.

b. Requirements/Prerequisites

(1) Must be qualified with the service rifle with a classification of sharpshooter or above.

(2) Complete MCI 0367A, Marine Marksman.

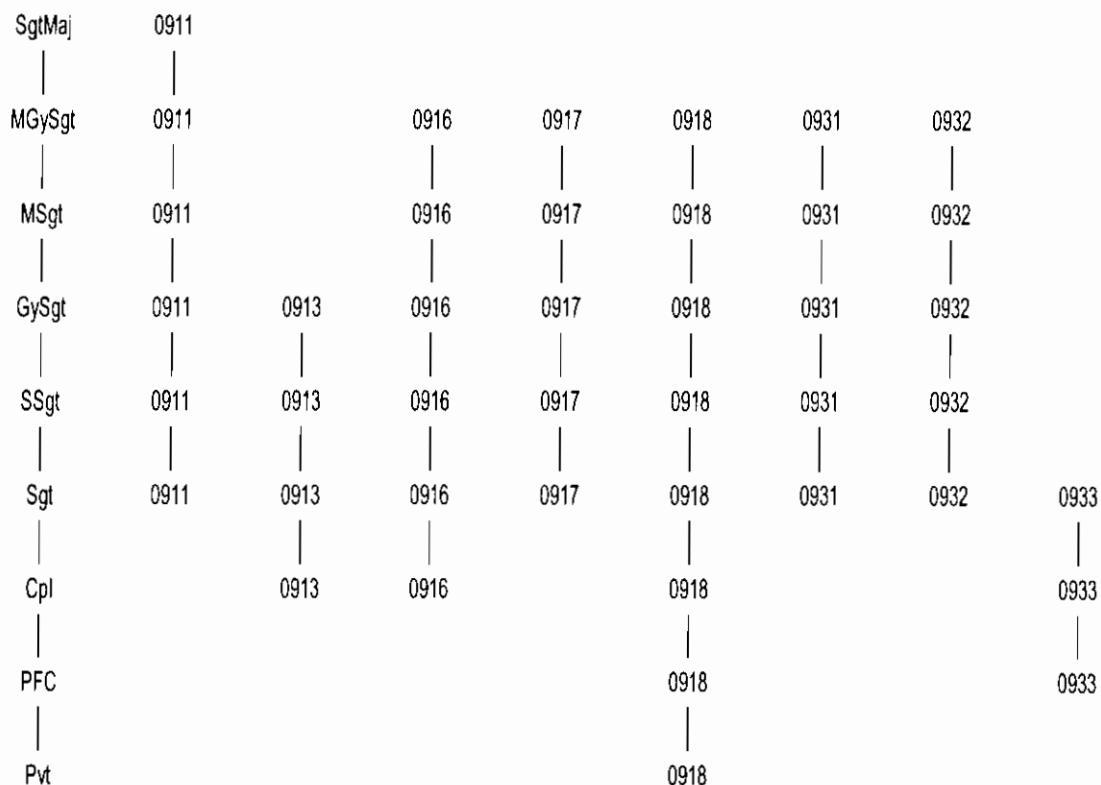
(3) Complete a Marksmanship Coach Course (MCC) Program of Instruction as prescribed by CG MCCDC (C 468).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.84A, Individual Training Standards.

d. Related DOT Classification/DOT Code. Marksmanship Instructor 378.227-010.

e. Related Military Skill

- (1) Marksmanship Instructor, 0931.
- (2) Small Arms Weapons Instructor, 0932.



MOS TITLE

0911 Drill Instructor (FMOS)
 0913 Marine Combat Instructor (EMOS)
 0916 Martial Arts Instructor (FMOS)
 0917 Martial Arts Instructor-Trainer (FMOS)
 0918 Water Safety/Survival Instructor (FMOS)
 0931 Marksmanship Instructor (EMOS)
 0932 Small Arms Weapons Instructor (EMOS)
 0933 Marksmanship Coach (EMOS)

Figure 3-8.—Training Career Structure Chart

3114. OCCUPATIONAL FIELD 11, UTILITIES

1. Introduction. A utility is a provided service such as water, light, and power. The utilities OccFld is responsible for planning and providing strategic and tactical utilities support to all levels of all elements of the various MAGTFs, to include posts and stations, in any climate or place. This functional support includes establishment, operation, maintenance, and repair of electric power generation sites along with the inherent underground, above filtration/purification, storage and distribution sites; shower and laundry facilities; and heating, ventilation, air conditioning and refrigeration sites. In addition to maintaining and repairing their own equipment at the organizational and intermediate levels, Marines in this OccFld troubleshoot and repair water pumps on equipment used by other OccFlds; the air conditioning systems on all ground equipment, including automotive; and the electrical systems on engineer and general supply equipment. Cantonment is supported with field sanitation, sewage, and waste disposal; and Military Operations Other Than War (MOOTW) are supported with plumbing, HVAC, and interior wiring installation and repair.

a. Basic qualifications to work in this OccFld include manual dexterity, normal color vision, and the ability to understand involved technical material. Formal schooling is mandatory prior to assignment of any utilities MOS. Marines entering the utilities field are assigned MOS 1100, Basic Utilities Marine, and attend formal schooling to gain the specific skills required to qualify for one of the designated MOSSs. These skills are further developed by individual and team training, to include some cross training between MOSSs, while in the Operating Forces. Later in the a Marine's career, advanced formal schooling may be provided leading to assignment as a Section Chief, Utilities Chief, or appointment as a Utilities Officer.

b. Skills acquired in OccFld 11 are directly transferable to civilian occupations upon leaving military service. The opportunity to participate in a formal apprenticeship program leading to certification as a Journey Worker by the U.S. Department of Labor is available to all basic MOSSs within the OccFld; refer to OPNAVINST 1560.10B for specific information concerning the United Services Military Apprenticeship Program (USMAP). Additional information and assistance on apprenticeships is available from local education offices.

2. MOS 1141, Electrician (SSgt to Pvt) (PMOS)

a. Summary. Using knowledge of electrical theory and concepts, Electricians install, operate, maintain, and repair underground, above ground, and overhead electrical power distribution systems. Additionally, electricians operate and perform organizational level maintenance on electrical power generation equipment, load banks, and floodlight sets. When on Military Operations Other Than War (MOOTW) they install and repair interior wiring in buildings. These duties include installing hardware, including cross-arms, insulators, and lightning arresters, and assembling/erecting and climbing utility poles/towers; stringing wire conductors; measuring, cutting, bending, assembling, and installing electric conduit; installing control and distribution apparatus, such as switches, relays, and circuit breakers; testing circuits for continuity, compatibility, and safety, including ground, of components, using test instruments such as multi-meters and ohmmeters; and installing and repairing electric fixtures. Noncommissioned officers are afforded the opportunity to attend the Advanced Electrician Course that provides in-depth instruction on the requirements of the National Electric Code and the planning of electrical support to include determining demand, phase balancing, and voltage drops. An apprenticeship program, leading to U.S. Department of Labor certification

as a Journey Worker, is available to electricians under the United Services Military Apprenticeship Program (USMAP).

b. Requirements/Prerequisites

- (1) Must possess an EL score of 90 or higher.
- (2) Must not suffer from acrophobia (fear of heights).
- (3) Complete the Basic Electrician Course (M0311B2), Marine Corps Engineer School, Camp LeJeune, NC.
- (4) Must have normal color vision.
- (5) Meet the physical requirements specified in Chapter 4 of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96A, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Electrician 824.261-010.
- (2) Line Maintainer 821.261-014.
- (3) Trouble Shooter II (Utilities) 821.261-026.
- (4) Cable Installer-Repairer 821.361-010.
- (5) Line Erector 821.361-018.
- (6) Line Repairer 821.361-026.
- (7) Electric-Distribution Checker 824.281-014.
- (8) Cable Splicer 829.361-010.
- (9) Diesel-Plant Operator (Utilities) 952.382-010.
- (10) Electric Power Line Examiner 959.367-010.
- (11) Pole Framer 959.684-010.
- (12) Lighting Equipment Operator 962.381-014.

e. Related Military Skill

- (1) Field Wireman, 0612.
- (2) Construction Wireman, 0613.

3. MOS 1142, Engineer Equipment Electrical Systems Technician (SSgt to Pvt) (PMOS)

a. Summary. Using knowledge of electrical theory and concepts, and electronic fundamentals, equipment electrical systems technicians repair electric motors, electronic modules, motor control circuits, and electric power generation equipment. These technicians also troubleshoot digital/logic components/circuits and make

organizational and intermediate level repairs on the electrical systems of engineer and general supply equipment. Duties include diagnosing problems and making repairs following manuals, schematic diagrams, blue prints, and other specifications, using hand tools, power tools, and electrical and electronic test equipment. Repairs include soldering connections and replacing wires, malfunctioning apparatus, and components, including some faulty mechanical, hydraulic and pneumatic parts on equipment. Noncommissioned officers are afforded the opportunity to attend the Advanced Electrician Course that provides in-depth instruction on the requirements of the National Electric Code and the planning of electrical support, to include determining demand, phase balancing, and voltage drops. An apprenticeship program, leading to U.S. Department of Labor certification as a journey worker is available to equipment electrical systems technicians under the United Services Military Apprenticeship program (USMAP).

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must possess an EL score of 100 or higher.
- (3) Complete the Basic Engineer Equipment Electrical Systems Technician Course (MO3UAA2), Marine Corps Engineer School, Camp Lejeune, NC.
- (4) Must have normal color vision.
- (5) Meet the physical requirements in Chapter 4 of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96A, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Electrician Maintenance 829.261-018.
- (2) Electrical Repairer 829.281-014.
- (3) Gas-Engine Repairer 625.281-026.
- (4) Electric-Motor Analyst 721.261-010.
- (5) Electric Motor Repairer 721.281-018.
- (6) Wireworker (Electrical Equipment) 728.684-022.
- (7) Wirer, Cable 729.381-022.
- (8) Tester, Electrical Continuity 729.684-058.
- (9) Salvager (Utilities) 729.687-030.
- (10) Electrician, Powerhouse (Utilities) 820.261-014.
- (11) Electrician, Automotive 825.281-022.
- (12) Control-Panel Tester Electrical Equipment) 827.381-010.

e. Related Military Skill

(1) Fuel and Electrical Systems Mechanic, 3524.

(2) Aircraft Maintenance Support Equipment Electrician/Refrigeration Mechanic, 6073.

4. MOS 1161, Refrigeration and Air Conditioning Technician (SSgt to Pvt) (PMOS)

a. Summary. Refrigeration and Air Conditioning technicians must be certified by the Environmental Protection Agency (EPA) to handle Chlorofluorocarbons (CFCs). They install, operate, and make organizational and intermediate level repairs on heating, refrigeration, and air conditioning systems, to include automotive, for all ground operations and equipment. These duties include installing refrigerating systems according to engineering specifications; recovery and recycling specified gases or fluids into systems; dismantling and testing malfunctioning systems using electrical, mechanical, and pneumatic testing equipment; and repairing systems by replacing or adjusting defective and worn parts. An apprenticeship program, leading to U.S. Department of Labor certification as a Journey Worker, is available to refrigeration and air conditioning technicians under the United Services Military Apprenticeship Program (USMAP).

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Complete the Refrigeration Mechanic Course (A0111D1) (to include meeting all EPA certification requirements), U.S. Army Ordnance School, Aberdeen Proving Ground, MD.

(3) Must have normal color vision.

(4) Meet the physical requirements in Chapter 4 of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96A, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Environmental Control System Installer-Servicer 637.261-014.

(2) Automotive Cooling System Diagnostic Technician 620.261-034.

(3) Air Conditioning Mechanic 620.281-010.

(4) Refrigeration Mechanic 637.261-026.

(5) Refrigeration Unit Repairer 637.381-014.

e. Related Military Skill. Aircraft Maintenance GSE Electrician/Refrigeration Mechanic, 6073.

5. MOS 1169, Utilities Chief (MGySgt to GySgt) (PMOS)

a. Summary. Utilities chiefs are technical advisers to the commander at all levels of all elements of the various MAGTFs on the employment of utilities support. These staff noncommissioned officers analyze, translate, and execute commanders'

operational requirements into a utilities support reality that enhances mission accomplishment. They plan and supervise the establishment, operation, and maintenance of water filtration/purification, storage, and distribution sites; electric power generating sites along with the inherent underground, above ground, and overhead electric power distribution systems; and shower and laundry services. They coordinate and supervise the installation, maintenance and repair of heating, air conditioning (to include automotive, and refrigeration equipment; and the maintenance and repair of the electrical systems on engineer and general supply equipment. Water quality assurance, field sanitation, sewage, and waste disposal is also planned, coordinated, and supervised. When deployed in support of Military Operations Other Than War (MOOTW), these Chiefs also plan, and coordinate the installation and repair of plumbing and indoor electrical wiring. This MOS is technical in nature and requires years of experience to become proficient. Due to the diversity of commands throughout the Marine Corps, some of the duties and tasks performed by the Utilities chief may overlap with those of the Engineer Equipment Chief, Motor Transport Maintenance Chief, and Motor Transport Operations Chief. Additional duties may include: formal schools faculty, safety management, new equipment/systems research and development, and new systems acquisition. This MOS will be assigned only by the authority of the CMC (MM).

b. Requirements/Prerequisites

- (1) Possess experience in either MOS 1141, 1142, 1161, or 1171.
- (2) Must have normal color vision.
- (3) Meet the physical requirements in Chapter 4 or TM 11275-15/4.

(4) Completion of the resident Utilities Chiefs Course (M03111E2) is required within 1 year after selection to the grade of gunnery sergeant, unless assigned outside the MOS in a non-Operating Forces command such as recruiting, drill instructor or MSG duty. In these cases, after reassignment to a billet requiring MOS 1169, Marines shall attend this course within 12 months. A prerequisite for attending the Utilities Chief Course is completion of MCI 1169 (Utilities Officer/Chief).

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96A, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Utilities and Maintenance Supervisor 899.131-018.
- (2) Safety Inspector (Utilities) 821.367-014.
- (3) Maintenance Supervisor 891.137-010.

e. Related Military Skill. None.

6. MOS 1171, Water Support Technician (SSgt-Pvt) (PMOS)

a. Summary. Water support technicians install, operate, inspect, and perform preventive and corrective maintenance on pumps, water filtration/purification equipment, water storage/distribution systems, and laundry and shower facilities. They conduct and evaluate water surveys, water reconnaissance, and water quality analysis as well as establish, maintain, and close sanitation systems. When on Military Operations Other Than War (MOOTW) these technicians also plan, install, and

repair the plumbing systems of structures. These duties include cutting, bending, and threading pipes; joining pipes using screws, bolts, fittings, solder, and plastic solvent; cleaning tanks and filter beds using backwashing; testing water to determine acidity, impurities, turbidity, and conductivity; and regulating the flow of raw water for treatment while mixing it with specified amounts of chemicals (i.e. alum, coagulate, chlorine, ammonia, and lime) in the filtration/purification process. Noncommissioned officers are afforded the opportunity to attend the Advanced Water Support Technician course that provides in-depth instruction on the requirements of the Uniform Plumbing Code and the planning of water support. An apprenticeship program, leading to U.S. Department of Labor certification as a Journey Worker, is available to water support technicians under the United Services Military Apprenticeship Program (USMAP)

b. Requirements/Prerequisites

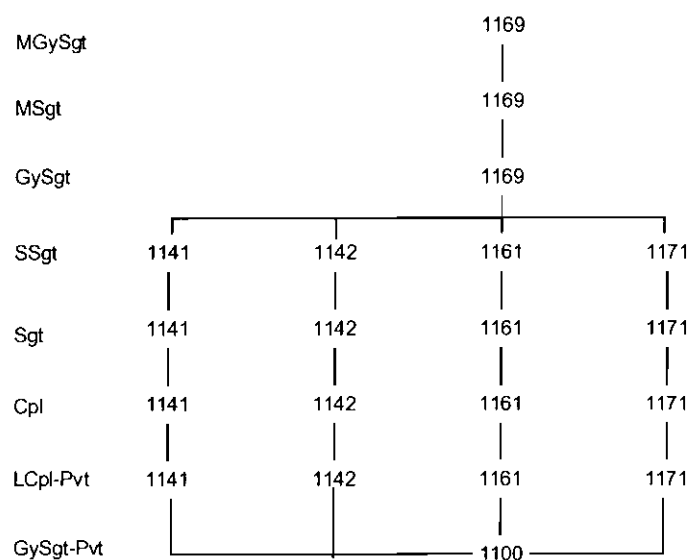
- (1) Must possess an MM score of 95 or higher.
- (2) Complete the Basic Water Support Technician Course (M031102), Marine Corps Engineer School, Camp LeJeune, NC.
- (3) Must have normal color vision.
- (4) Must meet the physical requirements in Chapter 4 of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.96A, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Plumber 862.381-030.
- (2) Laundry Worker II 361.685-018.
- (3) Laundry Operator 369.684-014.
- (4) Laundry Machine Mechanic 629.261-010.
- (5) Pump Servicer 630.281-018.
- (6) Treatment Plant Mechanic 630.281-038.
- (7) Pump Installer 630.684-018.
- (8) Pump Station Operator, Waterworks 954.382-014.
- (9) Water Treatment Plant Operator 954.382-014.

e. Related Military Skill. None.



MOS	TITLE
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1100	Basic Utilities Marine (Basic MOS)
1141	Electrician (PMOS)
1142	Engineer Equipment Electrical Systems Specialist (PMOS)
1161	Refrigeration and Air Conditioning Technician (PMOS)
1169	Utilities Chief (PMOS)
1171	Water Support Technician (PMOS)

FIGURE 3-9.--Utilities Career Structure Chart

MOS 1141, Electrician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt	Utilities Chief Course		FMF Duty: Electrician Non-FMF Duty: Instructor MCES/ I&I Staff
Sgt		Advanced Electrician NCO Course	FMF Duty: Electrician
Cpl		Advanced Electrician NCO Course	FMF Duty: Electrician
LCpl-Pvt	Basic Electrician Course		FMF Duty: Electrician

MOS 1142, Engineer Equipment Electrical Systems Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt	Utilities Chief Course		FMF Duty: Engineer Equipment Electrical Systems Technician Non-FMF Duty: Instructor MCES/ I&I Staff
Sgt			FMF Duty: Engineer Equipment Electrical Systems Technician
Cpl			FMF Duty: Engineer Equipment Electrical Systems Technician
LCpl-Pvt	Basic Engineer Equipment Electrical Systems Technician Course		FMF Duty: Engineer Equipment Electrical Systems Technician

FIGURE 3-9.--Utilities Career Structure Chart

MOS 1161, Refrigeration and Air Conditioning Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt	Utilities Chief Course		FMF Duty: Refrigeration & Air Conditioning Technician Non-FMF Duty: Instructor MCES/ I&I Staff/APG, MD
Sgt			FMF Duty: Refrigeration & Air Conditioning Technician Non-FMF Duty: Instructor APG, MD/I&I Staff
Cpl			FMF Duty: Refrigeration & Air Conditioning Technician Non-FMF Duty: None
LCpl- Pvt	Basic Refrigeration Mechanic Course		FMF Duty: Refrigeration & Air Conditioning Technician Non-FMF Duty: None

MOS 1169, Utilities Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: Utilities Chief Non-FMF Duty: Instructor MCES/ I&I Staff
MSgt			FMF Duty: Utilities Chief Non-FMF Duty: Instructor MCES/ I&I Staff

FIGURE 3-9.--Utilities Career Structure Chart

GySgt	Utilities Chief Course	FMF Duty: Utilities Chief Non-FMF Duty: Instructor MCES/ I&I Staff
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MOS 1171, Water Support Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt	Utilities Chief Course		FMF Duty: Water Support Technician Non-FMF Duty: Instructor MCES/ I&I Staff
Sgt		Advanced Water Support Technician Course	FMF Duty: Water Support Technician Non-FMF Duty: None
Cpl		Advanced Water Support Technician Course	FMF Duty: Water Support Technician Non-FMF Duty: None
LCpl- Pvt	Basic Water Support Technician Course		FMF Duty: Water Support Technician Non-FMF Duty: None

FIGURE 3-9.--Utilities Career Structure Chart

3115. OCCUPATIONAL FIELD 13, ENGINEER, CONSTRUCTION, FACILITIES, AND EQUIPMENT

1. Introduction. The engineer, construction, facilities, and equipment OccFld comprises Marines whose duties include metalworking and welding; repair, maintenance, and operation of engineer heavy equipment such as cranes and bulldozers; construction and repair of military structures and facilities; clearing and emplacing obstacles such as minefields; construction of standard and nonstandard bridging; and emplacing and detonating explosives for construction and demolition projects. Also, some Marines in the field work with the storage and distribution of bulk fuel products. Marines entering the field receive MOS 1300, Basic Engineer, Construction, and Equipment Marine. The basic Marine may be assigned a variety of MOSs and may be sent to a variety of formal schools. The MOSs that initially are available are metal worker, engineer equipment mechanic, engineer equipment operator, combat engineer, engineer assistant, and bulk fuel specialist. The opportunity to participate in a formal apprenticeship program leading to receipt of a Department of Labor Certificate of Apprenticeship Completion may be available in some MOSs within OccFld 1300; refer to MCO 1550.22 for specific information concerning this program. There are a variety of challenging and interesting billets available in OccFld 13, ranging from inspector-instructor duty to duty within the Marine divisions, force service support groups, and Marine aircraft wings.

2. MOS 1316, Metal Worker (SSgt to Pvt) PMOS

a. Summary. Metal workers examine drawings and work orders; determine sequence of operations, materials, tools, equipment, time, and personnel required. They also perform installation, operation, maintenance and repair of metalworking, and welding equipment and material.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Basic Metal Workers Course, U.S. Army Ordnance School, Aberdeen Proving Grounds, MD.

(3) Meet the physical requirements of TM 11275-15/4.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Welder, Combination 819.384-010.

(2) Welding Supervisor 819.131-014.

e. Related Military Skill. Aircraft Welder, 6043.

3. MOS 1341, Engineer Equipment Mechanic (SSgt to Pvt) PMOS

a. Summary. Engineer equipment mechanics perform preventive maintenance and make repairs to diesel engines and gasoline and diesel driven construction equipment such as tractors, power shovels, road machinery, air compressors, concrete mixers and other engine driven or towed construction equipment.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 95 or higher.
- (2) Complete the Construction Equipment Repairer Course, U.S. Army Engineer School, Ft Leonard Wood, MO.
- (3) Meet the physical requirements of TM 11275-15/4.
- (4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Construction-Equipment Mechanic 620.261-022.
- (2) Diesel Mechanic 625.281-010.

e. Related Military Skill. Main Battle Tank Repairer/Technician, 2146.

4. MOS 1342, Small Craft Mechanic (SSgt to LCpl) NMOS (1341)

a. Summary. Small craft mechanics perform preventive maintenance and make repairs to small craft, including riverine assault craft; metal, fiberglass, and rubber hulled small craft; diesel motors; propeller and hydrojet propulsion systems; and small craft trailers and cradle systems.

b. Requirements/Prerequisites

- (1) Must be qualified in MOS 1341.
- (2) Must possess an MM score of 95 or higher.
- (3) Complete the Small Craft Mechanics Course, Marine Corps Engineer School, Camp Lejeune, NC.
- (4) Meet the physical requirements of TM 11275-15/4.
- (5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Construction-Equipment Mechanic 620.261-022.
- (2) Diesel Mechanic 625.281-010.

e. Related Military Skill. Main Battle Tank Repairer/Technician, 2146.

5. MOS 1343, Assault Breacher Vehicle/Joint Assault Bridge (JAB) Mechanic (SSgt to Pvt) NMOS (1341)

a. Summary. This MOS is a special NMOS for the Engineer Equipment Mechanic, MOS 1341. The assault breacher vehicle (ABV) is a full-tracked, engineer vehicle designed for in-stride breaching of minefields and complex obstacles. The joint assault bridge is a full tracked vehicle designed for assault bridging. These vehicles will operate as part of the combined arms task force and be assigned to and employed by Combat Engineers. The ABV/JAB will leverage the known capabilities and logistics train of the M1 Main Battle Tank chassis fitted with Non-Developmental Item (NDI) systems, including a Full-Width Mine Plow (FWMP), two MK 155 Linear Demolition Charges (LDC), Lane Marking System (LMS), remote control system (ABV), protective weapon system (ABV), combat dozer blade (ABV/JAB), and an assault bridge (JAB).

b. Requirements/Prerequisites

- (1) Must be qualified in MOS 1341.
- (2) Must possess a MM score of 95 or higher.
- (3) Complete the Construction Equipment Repairer Course, U.S. Army Engineer School, Ft. Leonard Wood, MO.
- (4) Complete the ABV/JAB mechanic course at Ft. Knox, KY.
- (5) Meet the physical requirements of TM 11275-15/4.
- (6) Must have normal color vision.
- (7) Non-MOS qualified Reserve Marines unable to attend the regular formal school training and complete the required on the job training are ineligible to attain this MOS.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Construction Equipment Mechanic 620.261-022.
- (2) Diesel Mechanic 625.281-010.

e. Related Military Skill. Main Battle Tank Repairer/Technician, 2146.

6. MOS 1345, Engineer Equipment Operator (SSgt to Pvt) (PMOS)

a. Summary. Engineer equipment operators operate gasoline or diesel engine powered, self-propelled, skid-mounted, and towed engineer construction equipment including accessories and allied equipment used in earthmoving, grading, excavation, logging, clearing, and landing operations.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 95 or higher.

(2) Complete the Engineer Equipment Operator Course, U.S. Army Engineer School, Ft. Leonard Wood, MO.

(3) Non-MOS qualified Reserve Marines unable to attend the regular formal school course may be certified for MOS 1345, as an AMOS-only, by the commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 1345 Marines is found in Force Order 1535.1 and consists of core tasks to be performed to standard at Reserve MOJT. A minimum of six months MOJT while assigned to a 1345 billet is required.

(4) Must have vision correctable to 20/20 and depth perception (third degree binocular fusion).

(5) Must be a minimum height of 66 inches.

(6) Must meet the licensing requirements of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Plant Operator 570.682-014.

(2) Blaster 859.261-010.

e. Related Military Skill. Engineer Equipment Mechanic, 1341.

7. MOS 1349, Engineer Equipment Chief (MGySgt to GySgt) PMOS

a. Summary. Engineer equipment chiefs manage the activities of enlisted personnel performing engineer equipment operation, maintenance, and repair. This MOS will be assigned only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Possess experience in either MOS 1316, 1341, or 1345.

(3) Completion of the Engineer Equipment Chief Course, U.S. Army Engineer School, Ft. Leonard Wood, MO is required within 1 year after selection to the grade of gunnery sergeant, unless assigned outside the MOS in a non-FMF command such as recruiting/MSG duty. In these cases, after reassignment to a billet requiring MOS 1349, Marines should attend this course within 6 months.

(4) Must have vision correctable to 20/20 and depth perception (third degree binocular fusion).

(5) Must meet the licensing requirements of TM 11275-15/4.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code. Manager, Bulk Plant.

e. Related Military Skill. Motor Transport Maintenance Chief, 3529.

8. MOS 1361, Engineer Assistant (GySgt to Pvt) PMOS

a. Summary. Engineer assistants perform various duties incidental to construction design, planning, estimating, and management. Personnel assigned this MOS are trained to use optical reading/electronic total station survey instruments to establish the horizontal and vertical alignment/layout for construction projects. In addition, they are trained to use manual/Computer Aided Drafting (CAD) methods of preparing architectural/mechanical/civil drawings, to include computations for bills of material/earthwork volumes.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) High school courses in geometry and algebra are required. High school courses in trigonometry are desired.

(3) Complete the Technical Engineering Course, U.S. Army Engineer School Ft. Leonard Wood, MO.

(4) Upon promotion to master sergeant, engineer assistants are assigned MOS 1371. As such, completion of the Engineer Operations Chief Course is required within 1 year after selection to the grade of master sergeant, unless assigned outside the MOS in a non-FMF command such as recruiting/MSG duty. In these cases, after reassignment to a billet requiring MOS 1371, Marines will attend this course within 6 months.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Surveyor Assistant, Instrument 018.167-034.

(2) Geodetic Computer 018.167-014.

(3) Drafter, Civil 065.281-010.

e. Related Military Skill. Topography Intelligence Specialist, 0261.

9. MOS 1371, Combat Engineer (MGySgt to Pvt) PMOS

a. Summary. Combat engineers construct, alter, repair, and maintain buildings and structures; lift and move heavy objects and equipment by setting up, bracing, and utilizing rigging devices and equipment; and perform various duties incidental to the use of demolitions in construction projects and destruction of objects. Personnel assigned this MOS are taught carpentry and other construction skills as well as demolitions, specialized demolitions for urban breaching and land mine warfare.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Basic Combat Engineer Course, Marine Corps Engineer School, Camp Lejeune, NC.

(3) Non-MOS qualified Reserve Marines unable to attend the regular formal school course may be certified for MOS 1371, as an AMOS-only, by the unit commander upon successful completion of the Alternate Training Instructional Program (ATIP) of the Marine Force Reserves. The ATIP for MOS 1371 Marines is found in Force Order 1535.1 and consists of two phases of Reserve Basic Combat Engineer Course, including a minimum of 6 months MOJT while assigned to a 1371 billet.

(4) Completion of Engineer Operations Chief Course is recommended upon promotion to GySgt.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Carpenter 860.381-022.

(2) Rigger 921.260-010.

10. MOS 1372, Assault Breacher Vehicle (ABV)/Joint Assault Bridge (JAB) Operator (MSgt to LCpl) NMOS (1371)

a. Summary. The ABV/JAB operator is a NMOS for PMOS 1371, Combat Engineer, and 1345, Heavy Equipment operator. The ABV is a full tracked, engineer vehicle designed for in-stride breaching of minefields and complex obstacles. The JAB is a full tracked, engineer vehicle designed for assault bridging. The ABV/JAB will operate as part of the combined arms task force and be assigned to and employed by combat engineers. Job tasks associated with operations of the ABV/JAB will be those tasks required to drive the unit, operate the breaching/bridging systems, provide protection, and communicate. Organizational maintenance tasks will also be included.

b. Requirements/Prerequisites

(1) Must be qualified in MOS 1345 or 1371.

(2) Must possess a MM score of 95 or higher.

(3) Complete the Basic Combat Engineer Course, Marine Corps Engineer School, Camp Lejeune, NC.

(4) Complete the ABV/JAB operator course at Ft. Knox, KY.

(5) Non-MOS qualified Reserve Marines unable to attend the regular formal school training and complete the required on-the-job training are ineligible to attain this MOS.

(6) Must have vision correctable to 20/20 and depth perception (third degree binocular fusion).

(7) Must be a minimum height of 66 inches.

(8) Must meet the licensing requirements of TM 11275-15/4.

(9) Completion of the Engineer Operations Chief Course is required upon promotion to GySgt.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training and Standards.

d. Related DOT Classification/DOT Code

(1) Carpenter 860.381-022.

(2) Rigger 92.260-010.

e. Related Military Skill. Tank Crewmember 378.683-018.

11. MOS 1391, Bulk Fuel Specialist (MGySgt to Pvt) PMOS

a. Summary. Bulk fuel specialists install, operate, maintain and repair fuel handling units and accessory equipment, and test petroleum products to evaluate the quality used in amphibious assault fuel handling systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Must have normal color vision.

(3) Complete the Bulk Fuel Specialist Course, U.S. Army Quartermaster School, Ft Lee, VA.

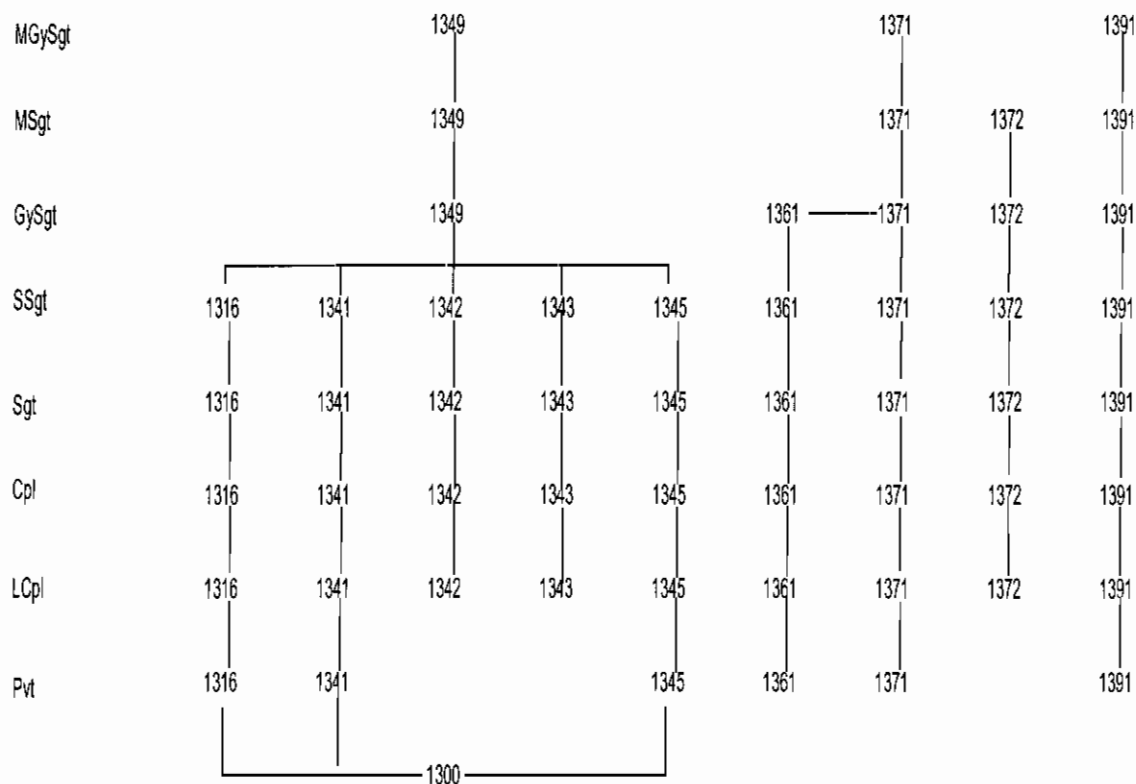
c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.95, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Fuel System Maintenance Worker 638.381-010.

(2) Fuel System Maintenance Supervisor 638.131-010.

e. Related Military Skill. None.



MOS TITLE

1300 Basic Engineer, Construction, and Equipment Marines (Basic MOS)
 1316 Metal Worker (PMOS)
 1341 Engineer Equipment Mechanic (PMOS)
 1342 Small Craft Mechanic (NMOS)
 1343 Assault Breacher Vehicle (ABV)/Joint Assault Bridge (JAB) Mechanic (NMOS)
 1345 Engineer Equipment Operator (PMOS)
 1349 Engineer Equipment Chief (PMOS)
 1361 Engineer Assistant (PMOS)
 1371 Combat Engineer (PMOS)
 1372 Assault Breacher Vehicle (ABV)/Joint Assault Bridge (JAB) Operator (NMOS)
 1391 Bulk Fuel Specialist (PMOS)

FIGURE 3-10.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1316, Metal Worker (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt			FMF Duty: Metal Worker Chief Non-FMF Duty: Instructor MCES
Sgt			FMF Duty: Metal Worker Non-FMF Duty: None
Cpl			FMF Duty: Metal Worker Non-FMF Duty: None
LCpl- Pvt	Basic Metal Worker Course		FMF Duty: Metal Worker Non-FMF Duty: None

MOS 1341, Engineer Equipment Mechanic (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt		Soils Analysis Course	FMF Duty: Maintenance Chief Non-FMF Duty: Instructor MCES/ I&I Duty
Sgt		Engineer Equipment Mechanic NCO Course	FMF Duty: Engineer Equipment Mechanic Non-FMF Duty: None

FIGURE 3-10.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

Cpl		Engineer Equipment Mechanic NCO Course	FMF Duty: Engineer Equipment Mechanic/PEB Clerk Non-FMF Duty: None
LCpl- Pvt	Construction Equipment Repairer Course		FMF Duty: Engineer Equipment Mechanic Non-FMF Duty: None

MOS 1342, Small Craft Mechanic (NMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt			FMF Duty: Small Craft Mechanic Non-FMF Duty: Instructor MCES/ I&I Duty
Sgt		Engineer Equipment Mechanic NCO Course	FMF Duty: Small Craft Mechanic Non-FMF Duty: None
Cpl		Engineer Equipment Mechanic NCO Course	FMF Duty: Small Craft Mechanic/ PEB Clerk Non-FMF Duty: None
LCpl- Pvt	Construction Equipment Repairer Course Small Craft Mechanic Course		FMF Duty: Small Craft Mechanic Non-FMF Duty: None

FIGURE 3-10.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1343 Assault Breacher Vehicle Mechanic (NMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt			FMF Duty: Maintenance Chief Non-FMF Duty: Instructor MCES/ I&I Duty
Sgt		Engineer Equipment Mechanic NCO Course	FMF Duty: Engineer Equipment Mechanic Non-FMF Duty: None
Cpl		Engineer Equipment Mechanic NCO Course	FMF Duty: Engineer Equipment Mechanic/PEB Clerk Non-FMF Duty: None
LCpl	Construction Equipment Repairer Course		FMF Duty: Assault Breacher Vehicle Mechanic Non-FMF Duty: None

MOS 1345, Engineer Equipment Operator (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt		Soils Analysis Course	FMF Duty: Operations Chief Non-FMF Duty: Instructor MCES/ I&I Duty
Sgt		Engineer Equipment Operator NCO Course	FMF Duty: Engineer Equipment Operator Non-FMF Duty: None

FIGURE 3-10.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

Cpl	Engineer Equipment Operator NCO Course	FMF Duty: Engineer Equipment Operator/MIMMS Clerk Non-FMF Duty: None
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LCpl- Pvt	Engineer Equipment Operator Course	FMF Duty: Engineer Equipment Operator Non-FMF Duty: None
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MOS 1349, Engineer Equipment Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: Operations Chief/ Maintenance Chief Non-FMF Duty: Instructor MCES/ I&I Duty
MSgt			FMF Duty: Operations Chief/ Maintenance Chief Non-FMF Duty: Instructor MCES/ I&I Duty
GySgt	Engineer Equipment Chief Course		FMF Duty: Operations Chief/ Maintenance Chief Non-FMF Duty: Instructor MCES/ I&I Duty

FIGURE 3-10.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1361, Engineer Assistant (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
GySgt	Engineer Operations Chief Course		FMF Duty: Drafting and Surveying Chief/ Operations Chief Non-FMF Duty: Instructor USAEC
SSgt		Engineer Assistant Chief Course	FMF Duty: Drafting Chief/ Survey Chief Non-FMF Duty: Instructor USAEC
Sgt		Engineer Assistant Chief Course	FMF Duty: Team Chief/ CADD Manager Non-FMF Duty: Instructor USAEC
Cpl		Engineer Assistant Chief Course	FMF Duty: Draftsman/ Surveyor Non-FMF Duty: None
LCpl- Pvt	Technical Engineering Course		FMF Duty: Draftsman/ Surveyor Non-FMF Duty: None

FIGURE 3-10.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1371, Combat Engineer (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: MEF/FSSG/Div HQ/ Operations Chief/ MAW Non-FMF Duty: Instructor MCES/ I&I Duty
MSgt			FMF Duty: MEF/FSSG/Div HQ/ Operations Chief/ Construction Chief/ MAW Non-FMF Duty: Instructor MCES/ I&I Duty
GySgt	Engineer Operations Chief Course		FMF Duty: MEF/FSSG/Div HQ/MAW/ Operations/ Construction Chief Non-FMF Duty: Instructor MCES/ I&I Duty
SSgt			FMF Duty: Engineer Platoon Sergeant/ FSSG/Div HQ/MAW Non-FMF Duty: Instructor MCES
Sgt		Combat Engineer NCO Course	FMF Duty: Construction Foreman/Squad Leader Non-FMF Duty: Instructor USAEC
Cpl		Combat Engineer NCO Course	FMF Duty: Combat Engineer Non-FMF Duty: None
LCpl- Pvt	Basic Combat Engineer Course		FMF Duty: Combat Engineer Non-FMF Duty: None

FIGURE 3-10.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1372, Assault Vehicle Operator (NMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: MEF/FSSG/Div Hq/ Operations Chief/ MAW Non-FMF Duty: Instructor MCES/ I&I Duty
MSgt			FMS Duty: MEF/FSSG/Div Hq/ Operations Chief/ Construction Chief/ MAW Non-FMF Duty: Instructor MCES/ I&I Duty:
GySgt	Engineer Operations Chief Course		FMF Duty: MEF/FSSG Div HQ/ MAW/Operations/ Construction Chief Non-FMF Duty: Instructor MCES/ I&I Duty
SSgt			FMF Duty: Engineer Platoon Sergeant FSSG/Div Hq/MAW Non-FMF Duty: Instructor CES
Sgt		Combat Engineer NCO Course	FMF Duty: Construction Foreman/ Squad Leader Non-FMF Duty: Instructor USAEC
Cpl		Combat Engineer NCO Course	FMF Duty: Combat Engineer Non-FMF Duty: None
LCpl	Basic Combat Engineer Course		FMF Duty: ABV Operator Non-FMF Duty: None

FIGURE 3-10.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

MOS 1391, Bulk Fuel Specialist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: TAFDS/AAFS/ Operations Chief Non-FMF Duty: Station Fuels Chief/ I&I Duty
MSgt			FMF Duty: TAFDS/AAFS/ Operations Chief Non-FMF Duty: Fuels Chief/I&I Duty/ Instructor USAQMS
GySgt		Advanced Bulk Petroleum Course	FMF Duty: Fuels Chief Non-FMF Duty: Instructor USAQMS/ I&I Duty
SSgt		Advanced Bulk Petroleum Course	FMF Duty: Fuel Team Chief/ Quality Control Specialist Non-FMF Duty: Instructor USAQMS
Sgt		Petroleum Laboratory Specialist Course	FMF Duty: Bulk Fuel Specialist/ Squad Leader Non-FMF Duty: None
Cpl		Petroleum Laboratory Specialist Course	FMF Duty: Bulk Fuel Specialist Non-FMF Duty: None
LCpl- Pvt	Bulk Fuel Specialist Course		FMF Duty: Bulk Fuel Specialist Non-FMF Duty: None

FIGURE 3-10.-Engineer, Construction, Facilities, and Equipment Career Structure Chart

3116. OCCUPATIONAL FIELD 18, TANK AND ASSAULT AMPHIBIOUS VEHICLE

1. Introduction. The tank and assault amphibian vehicle OccFld includes operation, employment, maneuver, and maintenance of tracked vehicles in the combined arms environment during both amphibious assaults and subsequent land operations ashore. Qualifications required include basic mechanical aptitude and the ability to perform harmoniously with others in the confined area inside combat vehicles. The duties involved are incident to the operation, employment, maneuver, and maintenance of tanks and assault amphibious vehicles. Formal schooling is provided to Marines at both the entry level and at the appropriate time in career development. Marines entering this OccFld receive MOS 1800, Basic Tank and Assault Amphibious Vehicle Crewman. After entry into OccFld 18 and assignment of a basic 1800 MOS, personnel specialize in either the M1A1 tank or the assault amphibious vehicle are assigned MOS 1812, or 1833 respectively.

2. MOS 1812, M1A1 Tank Crewman (MGySgt to Pvt) PMOS

a. Summary. As members of an M1A1 tank crew or unit, M1A1 tank crewman perform various duties incident to the operation and maintenance of the tank, to include tactical employment, firing and maneuvering. Typical duties include preparing tanks, personnel, and equipment for movement and combat; preparation of ammunition for firing; locating targets; loading, aiming and firing of organic tank weapons using the tank fire control system; driving the tank; and performance of operator-level preventive and corrective maintenance.

b. Requirements/Prerequisites

(1) Must possess a GT score of 90 or higher.

(2) Complete the M1A1 Armor Crewman Course, Ft. Knox, KY. (Note: Non-MOS qualified prior service reservist may be certified as 1812s after completion of a two-phased training syllabus combined into a twenty-one day attendance at the Marine Corps M1A1 Reserve Tank Commander/Gunner Course (MCRTCGC), Ft. Knox, KY. Upon completion of the MCRTCGC, the battalion inspector-instructor may certify the Marine based upon satisfactory demonstration of the core skills as set forth in the Individual Training Standards while occupying a billet requiring the AMOS).

(3) Must have vision correctable to 20/20.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.98, Individual Training Standards.

d. Related DOT Classification/DOT Code. Tank Crewmember 378.683-018.

e. Related Military Skill. None.

3. MOS 1833, Assault Amphibious Vehicle (AAV) Crewman (MGySgt to Pvt) PMOS

a. Summary. As members of an AAV crew or unit, AAV crewmen perform various duties incident to the operation and maintenance of assault amphibious vehicles and the up-gunned weapons station (UGWS) MK19 40 MM/50 CAL M2. AAV crewman prepares AAVs for the tactical employment of troops and equipment during ship to shore movement and subsequent operations ashore.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 90 or higher.
- (2) Must have a CWS II swimmer qualification.
- (3) Complete the Assault Amphibian Crewman Course, Camp Pendleton, CA.
- (4) Section Leaders (SSgt/Sgt) must complete the Assault Amphibian Unit Leader Course, Camp Pendleton, CA.
- (5) Must have visual acuity correctable to 20/40 in both eyes.
- (6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.103, Individual Training Standards.

d. Related DOT Classification/DOD Code. Amphibian Crewmember.

e. Related Military Skill. M1A1 Tank Crewman, 1312.

4. MOS 1834, Expeditionary Fighting Vehicle (EFV) Crewman (MGySgt to Pvt) PMOS

a. Summary. Expeditionary fighting vehicle crewman perform various duties incident to the operation and maintenance of the vehicle, to include tactical employment, precision gunnery using the MK 46 Weapon system, and maneuver. EFV crewmen employ their vehicle during ship to objective maneuver and during subsequent operations ashore. Typical duties may include preparing the EFV and associated equipment for movement and combat, locating and engaging targets, driving the EFV in the water and ashore, and performance of first echelon preventive and corrective maintenance.

b. Requirements/Prerequisites

- (1) Must have a GT score of 90 or higher.
- (2) Must qualify as CWS II swimmer.
- (3) Must be qualified as a 1833 Crewman assigned to 1834 billet and approved by the OccFld Manager.
- (4) Must have visual acuity correctable to 20/40 in both eyes.
- (5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to EFV Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Amphibian Crewman.

e. Related Military Skill

- (1) M1A1 Tank Crewman, 1812.
- (2) AAV Crewman, 1833.

MOS 1812, M1A1 Tank Crewman (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		E-9 Symposium	FMF Duty: Bn Op Chief Non-FMF Duty: I&I Staff/ PP&O/MARDET Ft Knox SNCOIC
MSgt		Infantry Operations Chief Course E-8 Seminar	FMF Duty: Bn Master Gunner/Bn Log Chief/Tank Leader Non-FMF Duty: I&I Staff/ Instructor U.S. Army Armor School
GySgt		M1A1 Master Gunner Course ANCOC M1A1 Armor Crewman Course SNCO Advanced Resident Course	FMF Duty: Platoon Sergeant Non-FMF Duty: I&I Staff/ Instructor
SSgt		M1A1 Master Gunner Course SNCO Career Resident Course ANCOC M1A1 Armor Crewman Course	FMF Duty: Tank Section Leader Non-FMF Duty: Instructor
Sgt		BNCOC M1A1 Armor Crewman Course Sergeant Course M1A1 Master Gunner Course With 6 years in service at a Minimum	FMF Duty: Tank Commander Non-FMF Duty: None
Cpl		BNCOC M1A1 Armor Crewman Course Corporals Course	FMF Duty: Tank Gunner Non-FMF Duty: None

FIGURE 3-11.--Tank and Assault Amphibious Vehicle Career Structure Chart

LCpl-Pvt M1A1 Armor Crewman
Course

FMF Duty:
Tank Crewman/
Driver/Loader
Non-FMF Duty:
None

MOS 1833, Assault Amphibious Vehicle (AAV) Crewman (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
GySgt		Senior School, Staff Planning Course	FMF Duty: Bn Op Chief/MEF/ Div HQ/FSSG Staff/School Instructor Non-FMF Duty: Assault Amphib School Bn/Amphibious Vehicle Test Branch (AVTB)
MSgt			FMF Duty: MEF/Div HQ/FSSG/ Bn Staff/CO Staff/ Instructor Non-FMF Duty: I&I Staff/ Assault Amphib School Bn/AVTB
GySgt	Advanced Amphibian Vehicle Unit Leader Course		FMF Duty: MEF/Div HQ/FSSG/ Bn Staff/ CO Staff/ Platoon Sgt/ Instructor Non-FMF Duty: MARCORSYSCOM/ HQMC/MCCDC, Bn/AVTB

FIGURE 3-11.—Tank and Assault Amphibious Vehicle Career Structure Chart

SSgt	Advanced Amphibian Vehicle Unit Leader Course	SNCO Academy	FMF Duty: Bn Staff/ Section Leader/ Instructor Non-FMF Duty: Assault Amphib School Bn/AVTB
Sgt/ Cpl			FMF Duty: Crew Chief/ Instructor Non-FMF Duty: Assault Amphib School Bn/AVTB
LCpl/ Pvt	AAV Crew Course		FMF Duty: AAV Crew Non-FMF Duty: None

FIGURE 3-11.--Tank and Assault Amphibious Vehicle Career Structure Chart

3117. OCCUPATIONAL FIELD 21, GROUND ORDNANCE MAINTENANCE

1. Introduction. The Ground Ordnance Maintenance OccFld assures the MARFOR that serviceable ordnance materials are available. Duties include the inspection, repair, and maintenance of most weapon systems possessed by Marine Corps units. Qualifications required include basic ordnance administration and knowledge; the capability to technically inspect/analyze an ordnance item and repair/fabricate the same, and to understand and implement repair shop/armory operational procedures. The requirement also exists to impart technical knowledge to organizational personnel, crews, and supervisors for proper preventive maintenance, inspections, and application. Ground Ordnance Maintenance personnel will be required to learn Ground Ordnance Maintenance administrative procedures, repair analysis, technical inspection procedures, repair procedures, testing of ordnance equipment, and quality control methodology. Types of entry/level jobs available include armorer, artillery repairer, assault amphibious vehicle/tank/optical/laser/small missile repairer/machinist. Marines entering this OccFld will receive MOS 2100, Basic Ground Ordnance Maintenance Marine.

2. MOS 2111, Small Arms Repairer/Technician (GySgt to Pvt) PMOS

a. Summary. Small arms repairer/technician in the grade of Private through Lance Corporal, under supervision, performs basic duties incident to inspection, maintenance, and repair of all small arms, less vehicular mounted weapons. The small arms repairer/technician also completes basic shop administrative forms and records utilizing technical manuals. At the Corporal through Gunnery Sergeant level the small arms repairer/technician performs, trains, and supervises various duties incident to inspection, maintenance, and repair of all small arms, to include vehicular mounted small arms. The small arms repairer/technician also prepares, maintains, and supervises a shop maintenance and management program and coordinates maintenance and repair of small arms according to grade.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete Ground Ordnance Intermediate Level Supervisors Course (CID A01GBC1) by Sergeant through Staff Sergeant with 24 months remaining on active duty upon completion of the course. In the case of lateral move, must have served a minimum of one year in MOS 2111. Prerequisites for USMCR include serving in an active reserve billet in MOS 2111.

(3) Must have a National Agency Check, Local Agency Check, and Credit Check (NACLC) resident within the Joint Personnel Adjudication System (JPAS).

(4) Must pass the Command Arms Ammunition, and Explosive (AA&E) screening.

(5) No conviction by court-martial, civilian court or nonjudicial punishment of any act involving larceny, theft, or drugs.

(6) Complete the Small Arms Repair Course.

(7) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code. Gunsmith 632.281.010.

3. MOS 2112, Precision Weapons Repairer/Technician (GySgt to Cpl) NMOS (2111)

a. Summary. The precision weapons repairer/technician performs duties incident to inspection, maintenance, fabrication, and repair of precision small arms in support of the Competition-In-Arms Program (CIAP) and Depot Maintenance Intrасervice Support Agreement (DMISA) program. This MOS will be assigned as a NMOS only.

b. Requirements/Prerequisites

(1) Must meet the requirements/prerequisites of MOS 2111 and possess an MM score of 105 or higher.

(2) Must successfully complete MOS 2112 managed on-the-job (MOJT) program.

(3) Potential MOS 2112 candidates must be at least a corporal or sergeant with at least three years of obligated service remaining upon completion of managed on the job training (MOJT) program, and be recommended by an ordnance officer and or ordnance chief within the candidates chain of command.

(4) Must have a working knowledge of the Competition-in-Arms Program.

(5) Operate power and machinists tools and equipment.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Machine Set-Up Operator 600.380-018.

(2) Machinist 600.280-022.

e. Related Military Skill

(1) Small Arms Repairer/Technician, 2111.

(2) Machinist, 2161.

4. MOS 2131, Towed Artillery Systems Technician (GySgt to Pvt) PMOS

a. Summary. The towed artillery systems technician, under supervision, performs basic duties incident to inspection, maintenance, and repair of towed artillery howitzers. The towed artillery systems technician also completes basic shop administrative forms and records utilizing technical manuals. At the Gunnery Sergeant through Corporal level, the towed artillery systems technician performs, trains and supervises various duties incident to inspection, maintenance and repair of towed artillery howitzers. The towed artillery systems technician also prepares, maintains and supervises a shop maintenance and management program, and performs the maintenance and repair of towed artillery howitzers according to grade.

b. Requirements/Prerequisites

(1) Must possess an MM score of 95 or higher.

(2) Complete the Towed Artillery Repairer Course.

(3) Complete the Ground Ordnance Intermediate Level Supervisor Course (CID A01GBC1) by Sergeant through Staff Sergeant with 24 months remaining on active duty upon completion of the course. In the case of lateral move, must have served a minimum of one year in MOS 2131. Prerequisites for USMCR include serving in an active reserve billet in MOS 2131.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Ordnance Artificer 632.261-018.

(2) Artillery-Maintenance Supervisor 632.131-010.

5. MOS 2141, Assault Amphibious Vehicle (AAV) Repairer/Technician (GySgt to Pvt) PMOS

a. Summary. The AAV repairer/technician, under supervision, performs basic automotive and hull duties incident to inspection, maintenance, and repair of the AAV family of vehicles. The AAV repairer/technician also completes basic shop administrative forms and records utilizing technical manuals. At the Gunnery Sergeant to Corporal level supervises, and performs various duties incident to the inspection, maintenance, and repair of the automotive and turret systems of the AAV. The AAV repairer/technician also prepares, maintains and supervises a shop maintenance and management program, and coordinates maintenance and recovery operations according to grade.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Complete the Assault Amphibious Vehicle Repairer Basic Course.

(3) Must have a class III swimmer qualification.

(4) Complete the AAV Intermediate Assault Amphibian Repairman Course upon promotion to the grade of corporal and have a minimum of 24 months of obligated service remaining upon completion of the course.

(5) Marines completing "B" billets (i.e., drill instructor, recruiting duty etc.) should reattend the intermediate course prior to MARFOR assignment.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Mechanic, Endless Track Vehicle 620.381-014.

(2) Diesel Mechanic 625.281-010.

e. Related Military Skill. Engineer Equipment Mechanic, 1341.

6. MOS 2146, Main Battle Tank (MBT) Repairer/Technician (GySgt-Pvt) PMOS

a. Summary. The MBT repairer/technician performs basic automotive duties incident to inspection, maintenance, and repair of the Marine Corps MBT, Tank Retriever (M88A2), and Armored Vehicle Launched Bridge (AVLB). The MBT repairer/technician also completes basic shop administrative forms and records utilizing technical manuals. At the grades of Sergeant and above, the MBT repairer/technician trains, supervises, and performs various duties and tasks incident to the inspection, maintenance, and repair of the automotive and turret systems of the Marine Corps MBT. The MBT repairer/technician also prepares, maintains, and supervises a shop maintenance and management program, and coordinates maintenance and recovery operations according to grade.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Complete the M1A1 Tank System Mechanic Course.
- (3) Possesses and demonstrates those leadership traits and principles applicable to grade.
- (4) Complete the MBT Tank System Technician Course at the grade of Sergeant and have 24 months or more on active duty upon completion of the course.
- (5) Marines completing "B" billets (i.e., drill instructor, recruiter, etc.) should reattend the intermediate course prior to being reassigned to the MARFOR.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Mechanic, Endless Track Vehicle 620.381-014.
- (2) Ordnance Artificer 632.261-018.

e. Related Military Skill

- (1) Engineer Equipment Mechanic, 1341.
- (2) Towed Artillery Systems Technician, 2131.

7. MOS 2147, Light Armored Vehicle (LAV) Repairer/Technician (GySgt to Pvt) PMOS

a. Summary. The LAV repairer/technician, under supervision, performs basic automotive duties and tasks incident to inspection, maintenance, and repair of the LAV family of vehicles. The LAV repairer/technician also completes basic shop administrative forms and records utilizing technical manuals. At the grades of sergeant and above, the LAV systems technician trains, supervises, and performs various duties and tasks incident to the inspection, maintenance, and repair of automotive and turret systems of the LAV family of vehicles. The LAV systems technician also prepares, maintains and supervises a shop maintenance and management program, and coordinates maintenance and recovery operations according to grade.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Complete the Light Armored Vehicle Repairman Course.
- (3) Qualified class III swimmer.
- (4) Complete the LAV Intermediate Repair Course at grade of sergeant and have 24 months or more remaining on active duty upon completion of the course.
- (5) Marines completing "B" billets (i.e., drill instructor, recruiting duty, etc.) should re-attend the intermediate course prior to MARFOR assignment.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Automobile Mechanic 620.261-010.
- (2) Diesel Mechanic 625.281-010.

e. Related Military Skill

- (1) Engineer Equipment Mechanic, 1341.
- (2) Intermediate Automotive Mechanic, 3522.

8. MOS 2148, Expeditionary Fighting Vehicle (EFV) Repairer/Technician (GySgt to Pvt) PMOS

a. Summary. The EFV repairman/technician under supervision performs basic duties incident to inspection, troubleshooting, maintenance, and repair of the AAV family of vehicles. The EFV Repairman completes basic shop administrative forms and records. At the Gunnery Sergeant to Corporal level, the EFV repairman supervises and mentors junior Marines and performs various duties incident to inspection, troubleshooting, maintenance and repair of the EFV as well as maintenance management and recovery according to grade.

b. Requirements/Prerequisites

- (1) Must have a MM score of 105 or higher.
- (2) Must qualify as a CWS II swimmer.
- (3) Complete the Assault Amphibian Basic Repairman Course (13 weeks), Camp Pendleton, CA.
- (4) Complete the AAV Intermediate Repairman Course after promotion to Corporal and have a minimum of 24 months obligated service remaining upon completion of the course.
- (5) Marines completing "B" billets (i.e., Drill Instructor, Recruiting Duty) should reattend the intermediate course prior to FMF assignment.

(6) Complete the Expeditionary Fighting Vehicle Basic Repairmen Course, Camp Pendleton, CA.

(7) Complete the Expeditionary Fighting Vehicle Intermediate Repairman Course, Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to the EFV Training and Readiness Manual.

d. Related DOT Classification/DOT Code. Amphibian Crewman.

e. Related Military Skill. Engineer Equipment Repairman, 1341.

9. MOS 2149, Ordnance Vehicle Maintenance Chief (MGySgt and MSgt) PMOS

a. Summary. Ordnance vehicle maintenance chiefs supervise the maintenance, repair, and inspection of ordnance vehicles to include their turrets and direct the activities of assigned enlisted personnel in an ordnance vehicle repair shop or facility. Senior ordnance vehicle maintenance chiefs supervise and manage the administration of ordnance vehicle maintenance facilities and ordnance vehicle offices. The senior ordnance vehicle maintenance chief is proficient in the organization, management, operation and conduct of technical inspections of ordnance vehicles, ordnance vehicle maintenance equipment, and ordnance vehicle shops or facilities. The senior ordnance vehicle maintenance chief assists the ordnance vehicle maintenance officer in all duties. They manage command environmental and hazardous waste programs. They supervise and provide oversight of disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

b. Requirements/Prerequisites

(1) Complete one of the Ordnance Vehicle Intermediate Technician Courses; LAV, AAV, or Tank System Technician Course.

(2) Complete the Ground Ordnance Maintenance Chief Course.

(3) Possesses a comprehensive understanding of maintenance procedures for ordnance vehicles, repair shop management and operations, and maintenance and supply procedures.

(4) Possesses comprehensive knowledge of environmental and hazardous waste programs, disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Supervisor, Endless Track Vehicle 620.131-010.

(2) Ordnance Artificer 632.261-018.

e. Related Military Skill. Senior Ground Ordnance Weapons Chief, 2181.

10. MOS 2161, Machinist (GySgt to Pvt) PMOS

a. Summary. Machinists perform various duties incident to fabrication, repair or modification of engine, motor transport, weapons, and accessories. Duties include selection of proper stock and set up of work on lathes, shapes, milling machines, internal and external grinders, drill presses, saws and cylinder, or line-boring machines. Machinists work from sketches, diagrams, blueprints, written specifications, or oral instructions. The control of quality and accuracy is met by the machinists' use of precision measuring devices to include micrometers, vernier gauges, and various other gauges and the subsequent adjustment of machine tool controls. Fabrication of metals is also followed by welding with all standard welding equipment. Maintenance of all shop equipment is performed to ensure that serviceability is sustained. Coordination with other repair shops, reporting of work completion, and the shop administrative functions are requirements to be effected by machinists.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Complete the Machinist Course, U.S. Army Ordnance School, Aberdeen Proving Ground, MD.

(3) Complete Ground Ordnance Intermediate Level Supervisors Course (CID A01GBC1) by Sergeant through Staff Sergeant with 24 months remaining on active duty upon completion of the course. In the case of lateral move, must have served a minimum of one year in MOS 2161. Prerequisites for USMCR include serving in an active reserve billet in MOS 2161.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Machine Set-Up Operator 600.380-018.

(2) Machinist 600.280-022.

11. MOS 2171, Electro-Optical Ordnance Repairer (GySgt to Pvt) PMOS

a. Summary. The electro-optical ordnance repairer performs electro-optical maintenance and repair to ground ordnance laser and night vision devices, small missiles systems, and other fire control equipment. Duties also include performing mechanical, mechanical-optical and electrical repairs to include inspecting, troubleshooting and adjusting fire control instruments and systems. The electro-optical ordnance repairer, grades Private through Corporal, also completes basic shop administrative forms and records using technical publications. At the grades of Sergeant and above, the electro-optical ordnance repairer trains, supervises, and performs various duties and tasks incident to the management of an electro-optical ordnance repair shop or facility.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must possess an EL score of 115 or higher.

(3) Must have a National Agency Check, Local Agency Check, and Credit Check (NACLIC) resident within the Joint Personnel Adjudication System (JPAS).

(3) Must have normal color vision.

(4) Complete the Electro-Optical Ordnance Repairer Course, U.S. Army Ordnance Center and School, Aberdeen Proving Ground, MD.

(5) Complete Ground Ordnance Intermediate Level Supervisors Course (CID A01GBC1) by Sergeant through Staff Sergeant with 24 months remaining on active duty upon completion of course. In the case of lateral move, must have served a minimum of one year in MOS 2171. Prerequisites for USMCR include serving in an active Reserve billet in MOS 2171.

(6) ENTNAC or NAC completed with favorable results.

(7) Must be a U.S. citizen.

(8) Must be eligible for a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code

(1) Instrument Mechanic, Weapons System 711.281-014.

(2) Electro-Optical Instrument 711.281-010.

(3) Artillery-Maintenance Supervisor 632.131-010.

e. Related Military Skill. Electronic Maintenance Repair, 2886.

12. MOS 2181, Senior Ground Ordnance Weapons Chief (MGySgt and MSgt) PMOS

a. Summary. Senior ground ordnance weapons chief supervise the maintenance, repair, and inspection of all small arms weapons and towed artillery howitzers and direct the activities of assigned enlisted personnel in a small arms or towed artillery repair shop or facility. They supervise and manage the administration of small arms or towed artillery maintenance facilities and offices. The senior ground ordnance weapons chief is proficient in the organization, management, operation and conduct of technical inspections of small arms weapons, and towed artillery howitzers, all equipment, and maintenance shops or facilities for maintaining small arms or towed artillery howitzers. The senior ground ordnance weapons chief assists the weapons repair officer in all duties and tasks. They manage command environmental and hazardous waste programs. They supervise and provide oversight of disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

b. Requirements/Prerequisites

(1) Complete the Ground Ordnance Maintenance Chief's Course.

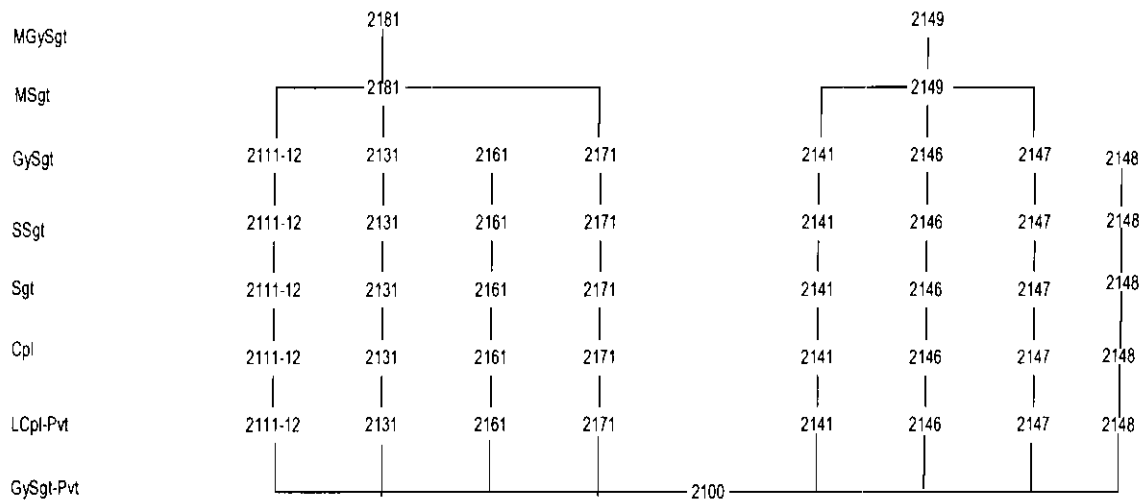
(2) Possesses a comprehensive understanding of maintenance procedures for small arms weapons, and towed artillery howitzers, repair shop management and operations, maintenance and supply procedures.

(3) Possesses a comprehensive knowledge of environmental and hazardous waste programs, disposal, storage, emergency planning for hazardous waste, and ozone depleting substances.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.57, Individual Training Standards.

d. Related DOT Classification/DOT Code. Artillery-Maintenance Supervisor 632.131-010.

e. Related Military Skill. Ordnance Vehicle Maintenance Chief, 2149.



MOS	TITLE
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2100	Basic Ground Ordnance Maintenance Marine (Basic MOS)
2111	Small Arms Repairer/Technician (PMOS)
2112	Precision Weapons Repairer/Technician (NMOS)
2131	Towed Artillery Systems Technician (PMOS)
2141	Assault Amphibious Vehicle (AAV) Repairer/Technician (PMOS)
2146	Main Battle Tank (MBT) Repairer/Technician (PMOS)
2147	Light Armored Vehicle (LAV) Repairer/Technician (PMOS)
2148	Expeditionary Fighting Vehicle (EFV) Repairer/Technician (PMOS)
2149	Ordnance Vehicle Maintenance Chief (PMOS)
2161	Machinist (PMOS)
2171	Electro-Optical Ordnance Repairer (PMOS)
2181	Senior Ground Ordnance Weapons Chief (PMOS)

FIGURE 3-12.--Ground Ordnance Maintenance Career Structure Chart

MOS 2111 (PMOS) and 2112 (NMOS), Small Arms Repairer Technician/Precision Weapons Repairer/Technician

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Ground Ordnance Maintenance Chiefs Course	2181
MSgt		Ground Ordnance Maintenance Chiefs Course	2181
GySgt		Ground Ordnance Maintenance Chiefs Course SNCO Advanced Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCLB/MCRD/MCCDC/ MCB/I&I Staff
SSgt	Ground Ordnance Intermediate Level Supervisors Course	SNCO Career Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCLB/MCRD/MCCDC/ MCB/I&I Staff/MB
Sgt		Ground Ordnance Intermediate Level Supervisors Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCB/MCRD/MCCDC/ MCLB/I&I Staff/MB
Cpl	Basic MOS Course		FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCB/MCRD/MCCDC/ MCLB/I&I Staff/MB
Pvt/LCpl	Basic MOS Course		FMF Duty: Div HQ/FSSG Non-FMF Duty: MCCDC/MCB

MOS 2131, Towed Artillery Systems Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Ground Ordnance Maintenance Chiefs Course	2181
MSgt		Ground Ordnance Maintenance Chiefs Course	2181

FIGURE 3-12.--Ground Ordnance Maintenance Career Structure Chart

GySgt	Ground Ordnance Maintenance Chiefs Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCLB/MCRD/MCCDC/ MCB/I&I Staff
SSgt	Ground Ordnance Intermediate Level Supervisors Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCLB/MCRD/MCCDC/ MCB/I&I Staff/MB
Sgt	Ground Ordnance Intermediate Level Supervisors Course	FMF Duty: Div HQ/FSSG/MAW Non FMF Duty: MCB/MCRD/MCCDC/ MCLB/I&I Staff/MB
Cpl	Basic MOS Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCB/MCRD/MCCDC/ MCLB/I&I Staff/MB
Pvt/LCpl	Basic MOS Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCB/MCRD/MCCDC

MOS 2141, Assault Amphibious Vehicle Repairer/Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Ground Ordnance Maintenance Chiefs Course	2149
MSgt		Ground Ordnance Maintenance Chiefs Course	2149
GySgt		Ground Ordnance Maintenance Chiefs Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/ I&I Staff/ MARCORSYSCOM/MCB

FIGURE 3-12.--Ground Ordnance Maintenance Career Structure Chart

SSgt	AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/ MCB/I&I Staff/ MARCORSYSCOM
Sgt	AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/MCB/
Cpl	Basic MOS Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/MCB/
Pvt/LCpl	Basic MOS Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/MCB/ MARCORSYSCOM

MOS 2146, Main Battle Tank (MBT) Repairer/Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Ground Ordnance Maintenance Chiefs Course	2149
MSgt		Ground Ordnance Maintenance Chiefs Course	2149
GySgt		Ground Ordnance Maintenance Chiefs Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/ I&I Staff/ Instr-Jt Scol
SSgt		AAV IMA (2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/ I&I Staff/ Instr-Jt Scol

FIGURE 3-12.--Ground Ordnance Maintenance Career Structure Chart

Sgt	AAV IMA (2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/ I&I Staff/ Instr-Jt Scol	
Cpl	Basic MOS Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/ I&I Staff/ Instr-Jt Scol	
Pvt/LCpl	Basic MOS Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCCDC	
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<u>MOS 2147, Light Armored Vehicle (LAV) Repairer/Technician (PMOS)</u>			
<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Ground Ordnance Maintenance Chiefs Course	2149
MSgt		Ground Ordnance Maintenance Chiefs Course	2149
GySgt		Ground Ordnance Maintenance Chiefs Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/I&I Staff/ Instr-Jt Scol/MCB
SSgt		AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/I&I Staff/ Instr-Jt Scol/MCB
Sgt		AAV IMA (MOS 2141) Tank Technician (MOS 2146) LAV Technician (MOS 2147)	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/I&I Staff/ Instr-Jt Scol/MCB

FIGURE 3-12.--Ground Ordnance Maintenance Career Structure Chart

Cpl	Basic MOS Course		FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/I&I Staff/ Instr-Jt Scol/MCB
Pvt/LCpl	Basic MOS Course		FMF Duty: Div HQ/FSSG Non-FMF Duty: MCCDC/MCB

MOS 2148, Expeditionary Fighting Vehicle (EFV) Repairer/Technician (PMOS)			
<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
GySgt		Ground Ordnance Maintenance Chiefs Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/ I&I Staff/ MARCORSYSCOM/MCB
SSgt		AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/ MCB/I&I Staff/ MARCORSYSCOM
Sgt		AAV IMA (MOS 2141) Tank System Technician (MOS 2146) LAV Technician (MOS 2147)	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/MCB/
Cpl	Basic MOS Course		FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/MCB/
Pvt/LCpl	Basic MOS Course		FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/MCB/ MARCORSYSCOM

FIGURE 3-12.--Ground Ordnance Maintenance Career Structure Chart

MOS 2149, Ordnance Vehicle Maintenance Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Ground Ordnance Maintenance Chiefs Course	FMF Duty: Div HQ/FSSG/ MARFOR HQ Non-FMF Duty: MARCORSYSCOM/PM/ AAV/MCLB
MSgt		Ground Ordnance Maintenance Chiefs Course	FMF Duty: FSSG/Div HQ Non-FMF Duty: MCLB/MCCDC/FSMAO/ MARCORSYSCOM/PM/ AAV/Instr-Jr Instr-Jt Scol/ MCB/I&I Staff

MOS 2161, Machinist (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Ground Ordnance Maintenance Chiefs Course	2181
MSgt		Ground Ordnance Maintenance Chiefs Course	2181
GySgt		Ground Ordnance Maintenance Chiefs SNCO Advanced Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/I&I Staff/ MARCORSYSCOM/ Instr-Jt Scol
SSgt	Ground Ordnance Intermediate Level Supervisors Course	SNCO Career Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCLB/MCCDC/MCB/ I&I Staff/Instr-Jt Scol

FIGURE 3-12.--Ground Ordnance Maintenance Career Structure Chart

Sgt	Ground Ordnance Intermediate Supervisors Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCLB/MCCDC/MCB/ I&I Staff/ MARCORSYSCOM
Cpl	Basic MOS Course	FMF Duty: Div HQ/FSSG/MAW Non-FMF Duty: MCLB/MCCDC/MCB/ I&I Staff/ MARCORSYSCOM
Pvt- LCpl	Basic MOS Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB

MOS 2171, Electro-Optical Ordnance Repairer (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Ground Ordnance Maintenance Chiefs Course	2181
MSgt		Ground Ordnance Maintenance Chiefs Course	FMF Duty: FSSG Non-FMF Duty: MCLB/MCCDC
GySgt		Ground Ordnance Maintenance Chiefs Course SNCO Advanced Course	FMF Duty: FSSG Non-FMF Duty: MCLB/MCCDC/I&I Staff/MB
SSgt	Ground Ordnance Level Supervisors Course	SNCO Career Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/I&I Staff
Sgt		Ground Ordnance Intermediate Level Supervisors Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCCDC/I&I Staff/MB

FIGURE 3-12.--Ground Ordnance Maintenance Career Structure Chart

Cpl	Basic MOS Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCCDC/I&I Staff/MCB
Pvt- LCpl	Electro-Optical Repairer Course	FMF Duty: Div HQ/FSSG Non-FMF Duty: MCLB/MCCDC/MCB

MOS 2181, Senior Ground Ordnance Weapons Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt			FMF Duty: Div HQ/FSSG/ MARFOR HQ Non-FMF Duty: MCCDC/MCLB/MCB
MSgt	Weapons Chiefs Course		FMF Duty: None Non-FMF Duty: MCLB/MCCDC/ Instr-Jt Scol/ MCB/I&I Staff MCRD

FIGURE 3-12.--Ground Ordnance Maintenance Career Structure Chart

3118. OCCUPATIONAL FIELD 23, AMMUNITION AND EXPLOSIVE ORDNANCE DISPOSAL

1. Introduction. The ammunition and EOD OccFld includes planning, operations, and management related to a very hazardous group of materiel. These MOSs require personnel who are mature, mentally sound, and have evidenced a willingness and capability to perform their assigned duties in a reliable manner. The duties MOSs in this field are as follows: the ammunition technician handles, transports, and stores all type of ammunition, explosives, missiles, inspects materiel to determine serviceability and need for repair or destruction; the EOD technician provides the commander with the capability to neutralize hazards associated with conventional explosive ordnance, weapons of mass destruction (WMD) and improvised explosive devices (IED); and conducts ordnance technical intelligence and dynamic explosive entry.

2. MOS 2311, Ammunition Technician (MGySgt to Pvt) PMOS

a. Summary. Ammunition technicians work in every facet of the ammunition field, including receipt, storage, issue, and handling of ammunition and toxic chemicals.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Complete the Enlisted Ammunition Specialist Course (A2123C1).
- (3) Must possess a secret security clearance based on background investigation when knowledge or possession of secret information is required.
- (4) Must have normal color vision.
- (5) Must be a U.S. citizen.
- (6) No convictions by court-martial, civilian courts, or nonjudicial punishment of any type involving larceny, theft, or trafficking any controlled substances.
- (7) Marines who handle ammunition and explosives must meet the criteria to be qualified and certified in accordance with MCO 8023.3.
- (8) Marines who are assigned MOS 2311 as their primary duties must be capable of meeting the command screening requirements of MCO 8020.10.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.78, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Magazine Keeper 222.367-038.
- (2) Ordnance Artificer 632.261-018.

e. Related Military Skill. Aviation Ordnance Chief, 6591.

3. MOS 2336, Explosive Ordnance Disposal (EOD) Technician (MGySgt to Sgt) PMOS

a. Summary. EOD technicians perform various duties that include locating, accessing, identifying, rendering safe, neutralizing, and disposing of hazards from foreign and domestic, conventional, chemical, biological, radiological, nuclear, and high yield explosives (CBRNE) unexploded explosive ordnance (UXO), improvised explosive devices (IEDs) and weapons of mass destruction (WMD) that present a threat to operations, installations, personnel, or materiel.

b. Requirements/Prerequisites

(1) Must possess a GT score of 110 or higher.

(2) Must meet all requirements for assignment to a critical position within the Nuclear Weapons Personnel Reliability Program; refer to SECNAVINST 5510.35.

(3) Must be fully screened per MCO 3571.2, using the current revision of the HQMC-approved EOD screening Checklist.

(4) Must have a first class Physical Fitness Test (PFT) (accomplished during EOD screening process).

(5) Be a volunteer in the grade of sergeant or corporal in any MOS. Sergeants must not be selected for Staff Sergeant in their current MOS.

(6) Must have normal color vision and no claustrophobic tendencies. (Bomb suit agility test will be administered during the EOD screening.)

(7) Must be a U.S. citizen.

(8) Must be qualified for an Explosive Driver's License as well as Emergency Vehicle Operator's License.

(9) Must be a graduate of the EOD Basic Course (CIN N56GPX).

(10)) Must have a final secret security clearance based on a Single Scope Background Investigation (SSBI).

(11) Must be qualified to handle Arms, Ammunition and Explosives (AA&E)

(12) In the performance of their duties, must be physically qualified for an Explosive Driver's License as well as Emergency Vehicles Operators License, as per NAVSEA SWO 20-AF-ABK-010.

(10) The following core competencies must be sustained:

(a) Advanced electronics.

(b) Advanced EOD Tactics, Techniques, and Procedures (TTP).

(c) Specialized Demolition.

(d) Post Blast Investigation.

(e) Weapons of Mass Destruction (WMD).

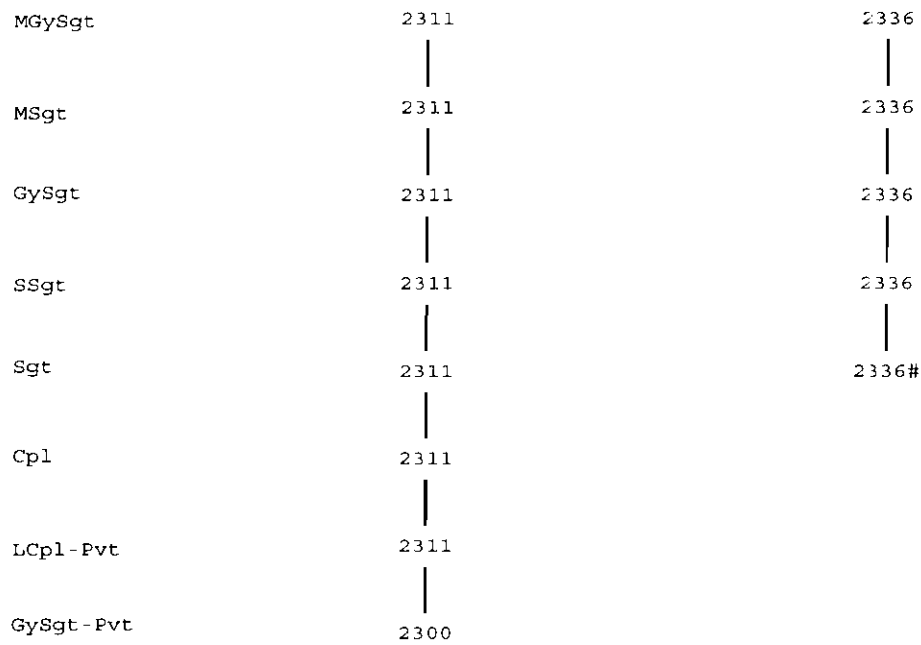
(f) Improvised Explosive Devices (IED)

(g) Robotics.

(h) UXO clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.78, Individual Training Standard.

d. Related DOT Classification/DOT Code. Ordnance Artificer 632.261-018.



Input from qualified personnel from any OccFld (Cpl and Sgt only).

<u>MOS</u>	<u>TITLE</u>
2300	Basic Ammunition and Explosive Ordnance Disposal Marine (Basic MOS)
2311	Ammunition Technician (PMOS)
2336	Explosive Ordnance Disposal Technician (PMOS)

FIGURE 3-13.--Ammunition and Explosive Ordnance Disposal Career Structure Chart

MOS 2311, Ammunition Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		Officers Ammunition Managers Course (A21GPL1)	FMF Duty: Div HQ/FSSG/ AMMCCO/HQ MARFORLANT Non-FMF Duty: Redstone Arsenal
MSgt	Officers Ammunition Managers Course	Officers Ammunition Managers Course	FMF Duty: MEF/FSSG/ MARFORPAC Non-FMF Duty: Instructor/ Redstone Arsenal/Rock Island/HQMC
GySgt/ SSgt	War Fighting Skills	Explosive Hazard Control Motor Vehicle/ Railcar Shipment Regulations Ammunition Inspectors Course Technical Escort Course	FMF Duty: MEF/Div/MAW/ FSSG/ Regt/Bn/MEU Non-FMF Duty: Instructor/ Liaison
Sgt/ Cpl		Motor Vehicle/Railcar Inspection Course Enlisted Ammunition NCO Course (A21GPK1)	FMF Duty: MEF/Div HQ/ MAW/FSSG/MEU/ Regt/Bn/Co Non-FMF Duty: None
Pvt/ LCpl	Enlisted Ammunition Specialist Course		

FIGURE 3-13.--Ammunition and Explosive Ordnance Disposal Career Structure Chart

MOS 2336, Explosive Ordnance Disposal Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt	Weapons of Mass Destruction C3 Radiological Accident Control (RAC 3)	WMD Seminars	FMF Duty: MEF/MLG/MAW Non-FMF Duty: NAVSCOLEOD/ EODTECHDIV/ MCB/MCAS/ MARSOC
MSgt	Dynamics of International Terrorism Advanced Explosive Investigative Techniques	WMD C3 RAC 3	FMF Duty: MEF/MLG/MAW Non-FMF Duty: NAVSCOLEOD/ EODTECHDIV/ MCB/MCAS/ MARSOC
GySgt	Dynamic Entry Advanced Advanced Explosive LVBIED Course Enhanced NBC Training GATOR Course Advanced IED Disposal	Dynamic Int. Terrorism Advanced Explosive Investigative Advanced IED Disposal Canadian IED School British IED School Technical Escort Basic Airborne	FMF Duty: MLG/MAW Non-FMF Duty: NAVSCOLEOD/ EODTECHDIV MCB/MCAS JPAC/ MARSOC
SSgt	Dynamic Entry Basic Nuclear Weapons Orientation REMOTEC Ops and Maintenance Advanced IED Disposal Joint Nuclear EOD	Advanced Explosive Destruct LVBIED Technical Escort Enhanced NBC GATOR Course Basic Airborne High Risk Personnel Counter Terrorist Driver	FMF Duty: MGL/MAW Non-FMF Duty: MCAS/MCB NAVSCOLEOD/ EODTECHDIV/ JPAC/MARSOC
Sgt	Explosive Ordnance Disposal Basic Course Explosive Drive Confined Spaces Hazardous Material	Dynamic Entry (Basic) Basic Airborne GATOR Course	FMF Duty: MLG/MAW Non-FMF Duty: MCAS/MCB/MARSOC

FIGURE 3-13.--Ammunition and Explosive Ordnance Disposal Career Structure Chart

3119. OCCUPATIONAL FIELD 26, SIGNALS INTELLIGENCE/GROUND ELECTRONIC WARFARE

1. Introduction. The Signals Intelligence/Ground Electronic Warfare (SIGINT)/EW OccFld includes the employment of Signals Intelligence (SIGINT), Electronic Warfare (EW), Computer Network Operations (CNO), and communications systems, facilities, and personnel. Marines in this field conduct collection, analysis, production, and dissemination of collected data and intelligence. Marines entering the SIGINT/EW field will be required to set up and operate communications and/or electronic equipment, prepare reports, conduct preventive maintenance on assigned equipment, and assist in the operational control and management of SIGINT/EW personnel, equipment, and facilities. Entry-level jobs include Special Communications Signals Intercept Collection Operator, Electronic Intelligence (ELINT) Intercept Operator, Special Intelligence System Administrator/Communicator, or Cryptologic Linguist. Marines can also enter the SIGINT field at the grade of corporal or sergeant. Duty assignments are made to Marine Cryptologic Support Battalion, Radio Battalions, Intelligence Battalions, the Air Wing VMAQs, the Special Security Communications Teams (SSCTS), and the staff sections of the Marine divisions and wings. All personnel are expected to become familiar with information Operations/Information Warfare, support to intelligence computerized networks, and Marine tactical SIGINT/EW operations to include: electronic attack (EA) electronic protect (EP), electronic support (ES), and radio direction-finding functions. These skills may be obtained through formal training or on-the job training and should be acquired prior to obtaining the grade of gunnery sergeant.

2. MOS 2611, Cryptologic Digital Network Technician/Analyst (MGySgt to LCpl) NMOS (2621, 2631, 2651, 2671, 2674, 2676, 2691)

a. Summary. This is a NMOS that requires formal digital network analysis and reporting training. Cryptologic digital network technicians/analysts are involved in all facets of planning and conducting digital network collection and analysis. Operators must perform digital signals search mission; measure, evaluate and classify digital network signals; and provide traditional signals intelligence (SIGINT) support as deemed necessary by the unit commander. Operators must be familiar with computer hardware and software programs to include network operating systems. The duties and tasks for MOS 2611 increase at the rank of staff sergeant and above to encompass digital network analysis product reporting, information operations planning support, and supervisory tasks and functions. This MOS will be assigned as to Marines in the 2600 OccFld.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Complete the Basic Digital Network Analysis (BDNA) Course, the Marine Corps Cryptologic Computer Administration Program (MCCAP), or complete the Marine Corps Digital Network Operations Program (MCDNOP).
- (3) Must be a U. S. citizen.
- (4) Must possess a top-secret security clearance and be eligible for access to Sensitive Compartmented Information (SCI) based on a Single Scope Background Investigation (SSBI).
- (5) This MOS will be assigned and voided only by the authority of the CMC (MM).

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.41, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code. No civilian equivalent

e. Related Military Skill

(1) Communications Signals Collection Operator/Analyst, 2621.

(2) Special Intelligence Systems Administrator/Communicator, 2651.

(3) Signals Intelligence Analyst, 2629.

3. MOS 2621, Special Communications Signals Collection Operator/Analyst (GySgt to Pvt) PMOS

a. Summary. Special communications signals collection operators/analysts exploit every phase of communications to include the intercept and analysis of electronic communications signals along with digital network systems. Additional skills include planning, coordinating and determining logistical requirements for setting up operational antenna fields; and the installation, operation, and preventive maintenance of associated equipment/facilities. Operators must perform communications electronic signals search missions, record the intercept of signals using electronic means, measure, classify, and evaluate the signals. Operators must be familiar with communications intercept receivers, specialized computer hardware and software programs, and wideband converters in the process of collecting, recording, analyzing, support computerized network operations missions, and reporting on a wide variety of intercepted communications signals. Secondary duties and tasks involve aspects of transmission security (TRANSEC), communications security (COMSEC), and direction-finding (DF) operations. Additionally, Marines assigned MOS 2621 will receive training in such MOS related requirements as power supply operations, equipment prime mover operations, and vehicle maintenance procedures. Prior to, or in conjunction with being promoted to sergeant, Marines will receive formal schooling in signals/traffic analysis and reporting procedures. The duties and task for MOS 2621 increase at the rank of sergeant and above to encompass communications intelligence analysis and product reporting along with supervisory tasks and functions. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Communications Signals Collection and Processing Course.

(3) Must be eligible for a top-secret security clearance and be eligible for access to Sensitive Compartmented Information (SCI) based on a Single Scope Background Investigation (SSBI).

(4) No hearing defects.

(5) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.41, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Radio Intelligence Operator 193.362-014.
- (2) Electronic Intelligence Operations Specialist 193.382-010.

e. Related Military Skill. Electronic Intelligence (ELINT) Intercept Operator/Analyst, 2631.

4. MOS 2629, Signals Intelligence Analyst (MGySgt to Cpl) NMOS (2621, 2631, 267X)

a. Summary. This is a NMOS that requires formal analysis and reporting training. Signals intelligence analysts' duties encompass all facets of signals intelligence analysis and supervision of selected collection and EW/COMSEC operations. In this function, the analyst develop and maintain records on technical aspects of target emitters, develop and maintain communications order of battle files, situation maps, and other related SIGINT files. Analysts prepare and issue reports to include intelligence reports, technical reports, and summaries. Analyst may be required to perform Signals Intelligence briefings. Prior to advancement to master sergeant (2691), opportunities are provided for analyst to attend supervisory level courses in preparation for management/leadership assignments. This MOS will be assigned to Marines holding MOSs 2621, 2631, and 267X. This MOS will be assigned and voided by authority of the CMC (MM).

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Complete the Marine Analysis and Reporting Course.
- (3) Must possess a top-secret security clearance and be eligible for access to Sensitive Compartmented Information (SCI) based on a Single Scope Background Investigation (SSBI).
- (4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3400.41, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Radio-Intelligence Operator 193.362-014.
- (2) Electronic Intelligence Operations Specialist 193.382-010.

e. Related Military Skill

- (1) Electronic Intelligence (ELINT) Intercept Operator/Analyst, 2631.
- (2) Special Communications Signals Collection Operator/Analyst, 2621.
- (3) Cryptologic Linguist, 267X.

5. MOS 2631, Electronic Intelligence (ELINT) Intercept Operator/Analyst (GySgt to Pvt) PMOS

a. Summary. ELINT intercept operators/analysts duties encompass all facets of ELINT transmissions intercept and analysis including installation, operation, and preventive maintenance of associated equipment. Operators must perform electronic signals search missions, record the intercept of signals using electronic means, and measure, classify, and evaluate the signal. Operators perform signals analysis, prepare electronic order of battle appraisals, and map overlays as required. They may also operate the Tactical Electronic Reconnaissance Processing and Evaluation System (TERPES), to include systems setup, operations reporting, computer processing of tape recordings, issuing necessary EW reports, assisting in air crew training/briefings, and performing routine preventive maintenance as required. Operators are trained in the use of the Integrated Broadcast Receiver/Systems and GALE-Lite. Prior to advancement to master sergeant (MOS 2691) opportunities are provided for ELINT operators/analyst to attend supervisory-level courses in preparation for management/leadership assignments. This MOS will be assigned and voided on by authority of the CMC (MM).

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Complete the Cryptologic Technician Technical A (ELINT) Course.
- (3) Must be eligible for a top-secret security clearance and be eligible for access to Sensitive Compartmented Information (SCI) based on a Single Scope Background Investigation (SSBI).
- (4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.41, Signals Intelligence Training and Readiness Manual.

d. Related DOT Classification/DOT Code

- (1) Radio-Intelligence Operator 193.362-014.
- (2) Electronic Intelligence Operations Specialist 193.382-010.

e. Related Military Skill. Special Communications Signals Collection Operator/Analyst, 2621.

7. MOS 2651, Special Intelligence System Administrator/Communicator (MGySgt to Pvt) PMOS

a. Summary. Special intelligence communicators' duties encompass all aspects of special intelligence communications including the utilization of equipment. Special Intelligence communicators duties include support to: special compartment intelligence computerized network transmissions, network administration, cryptologic security, computer network defense, conducting preventive maintenance of assigned area network equipment and circuit connectivity, the transmission and receiving of special intelligence via the Defense Special Security Communications (DSSCS), and the Defense Messaging System (DMS). Communicators also maintain files, log special intelligence communications related publications and perform other operational and administrative tasks. Additionally, Marines assigned this MOS will receive training in MOS related requirements including unit unique computer security systems, the

operation of power supply, equipment prime mover (truck), and operator vehicle maintenance procedures. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Complete the Cryptologic Technician "O", Class A Course.
- (3) Eligible for a top-secret security clearance and be eligible for access to Sensitive Compartmented Information (SCI) based on a Single Scope Background Investigation (SSBI).
- (4) Must be a U.S. citizen.

c. Duties. For a complete listing of duties and tasks, refer to MCO 3500.41, Signals Intelligence Training and Readiness Manual.

d. Requirements/Prerequisites. No civilian equivalent.

e. Related Military Skill. Small Computer Systems Specialist, 0651.

8. MOS 2671, Middle East Cryptologic Linguist (GySgt to Pvt) PMOS

a. Summary. Cryptologic linguists monitor, transcribe, and translate intercepted target communications; perform analysis and exploitation of designated foreign communications; and install, operate, and perform preventive maintenance of intercept equipment. Following basic qualification as a Linguist (MOS 2711-2728), Marines attend a specialized course of instruction and upon completion are assigned the appropriate MOS. Secondary duties and tasks include aspects of EW/COMSEC and direction-finding operations. In addition, Marines assigned MOS 2671 receive MOJT in such MOS related requirements as power supply operation, equipment prime mover (truck) operation, and vehicle maintenance procedures. Intermediate and advanced language training is available. Prior to, or in conjunction with being promoted to staff sergeant, Marines will receive Traffic Analysis training (formal school or MOJT). DoD has stated a career goal for professional linguist of achieving interagency Language Roundtable "General Professional Proficiency" (Level-3) in those modalities (listening, reading and/or speaking required to perform his or her primary function. Cryptologic Linguists are encouraged to take advantage of language training events in order to achieve this goal. Prior to advancement to master sergeant (2691), opportunities are provided for linguists to attend supervisory-level courses in preparation for management/ leadership assignments. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Requirements/Prerequisites

- (1) Must possess a GT score of 105 or higher.
- (2) A Defense Language Aptitude Battery minimum score for the MOS 2671 is required as follows: DLAB 110 or higher, waiverable to 100.
- (3) Complete the requirements for assignment of an MOS 2711-2728 and the Voice Processing Specialist Course.